

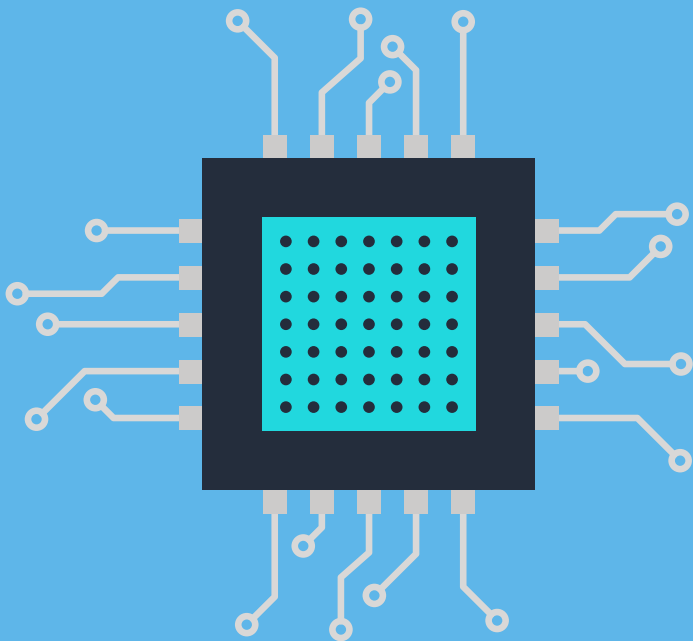
Display words

Year 7-8



Theme

Digital systems



Curriculum Alignment

- AC9TDI8K01
- AC9TDI8K02

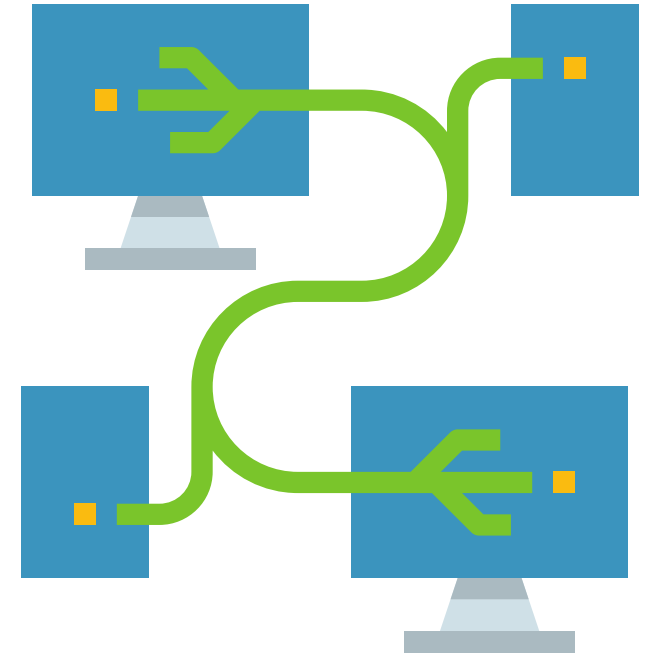
Hardware



Software



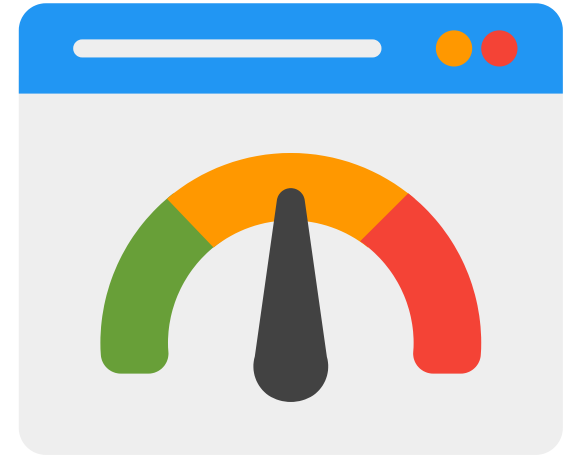
Network



Performance



Bandwidth

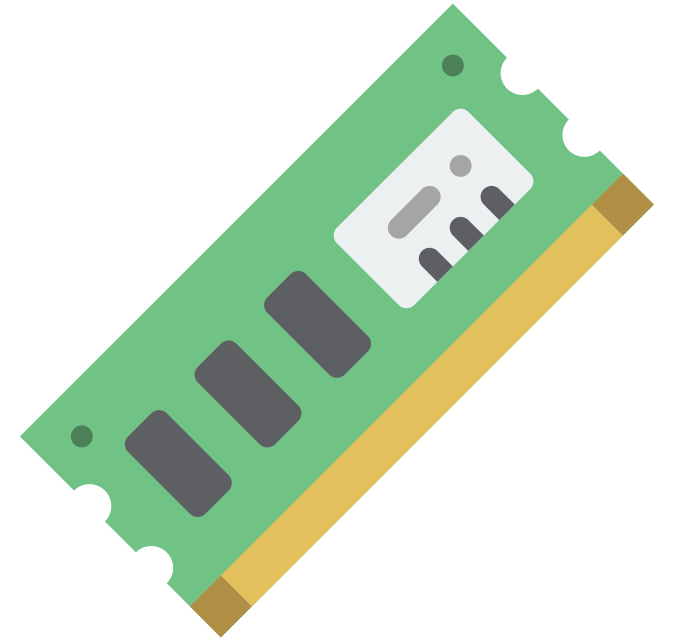


Download Speeds



RAM

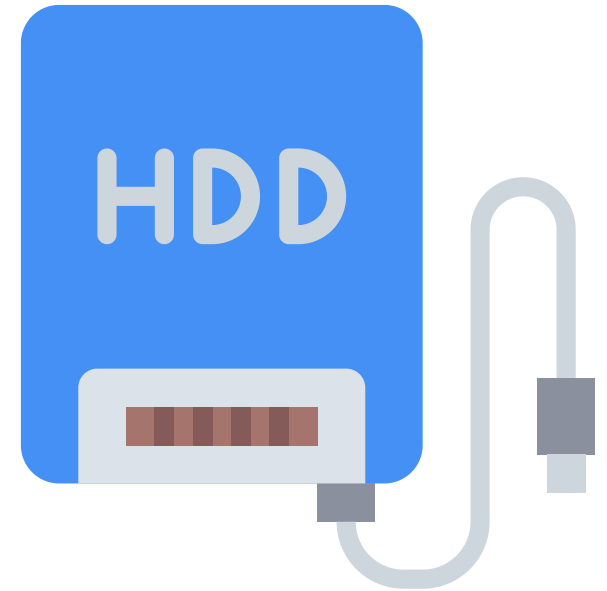
random access
memory



Graphics Card



External Hard Drive



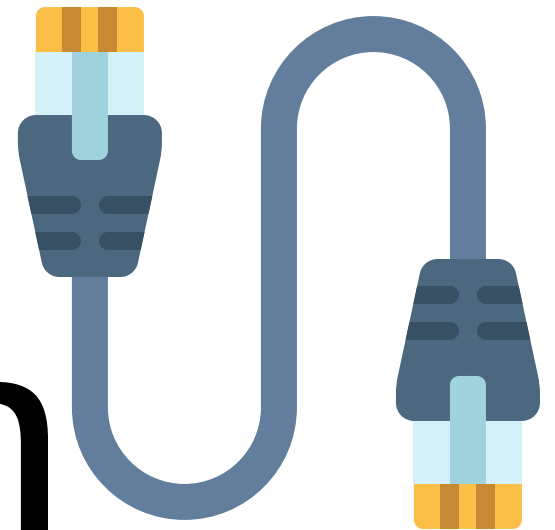
Internet



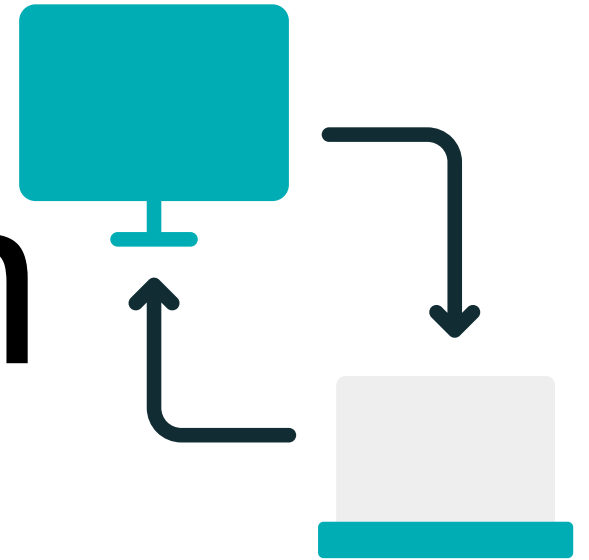
Wireless
connection



Wired
connection



Transmission



Theme

Digital data

0 1 0 1

1 0 0 1

0 1 1 0

Curriculum Alignment

- AC9TDI8K03
- AC9TDI8K04

Unicode



Audio
data



Sound
waves

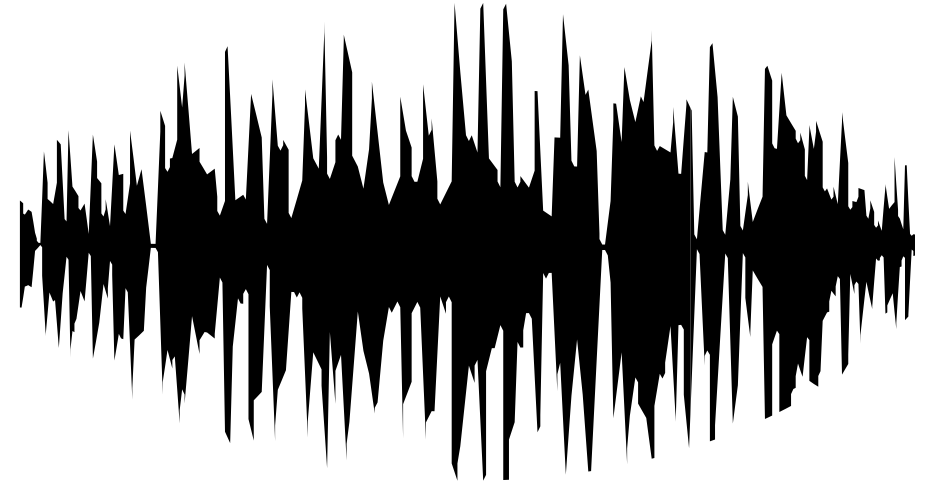
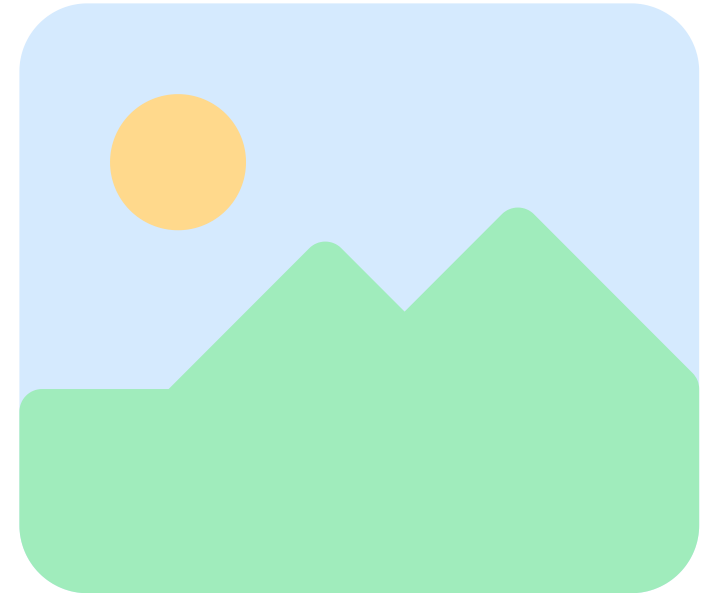


Image
data



Bitmap

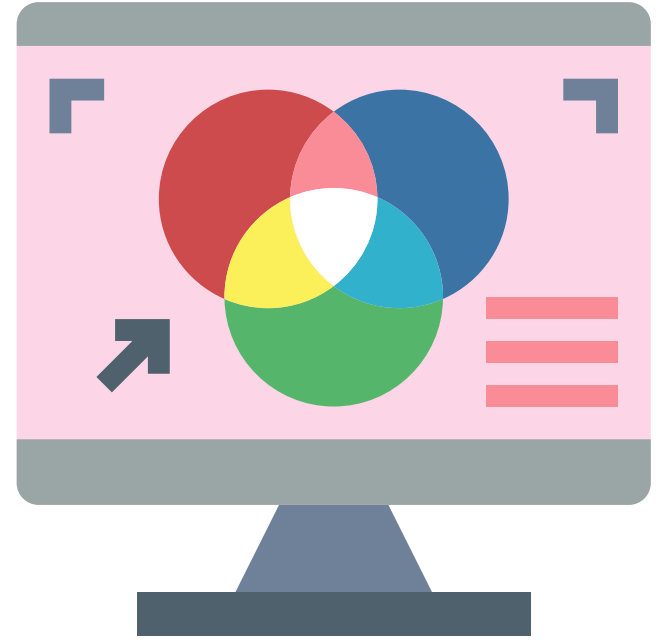


JPEG



RGB

red green blue

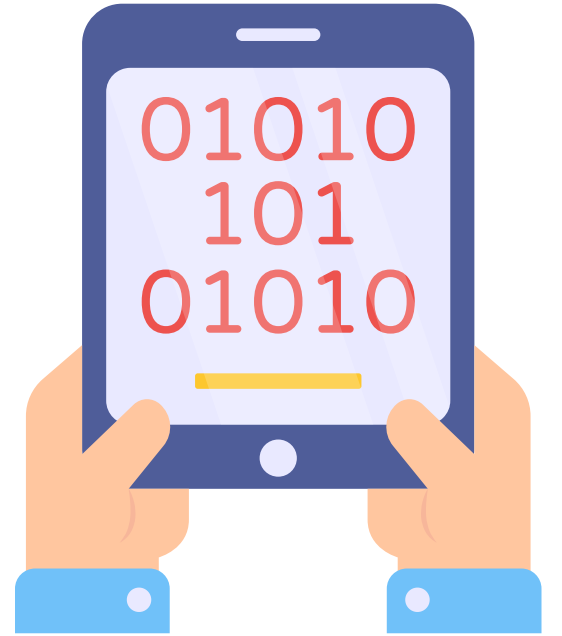


SVG

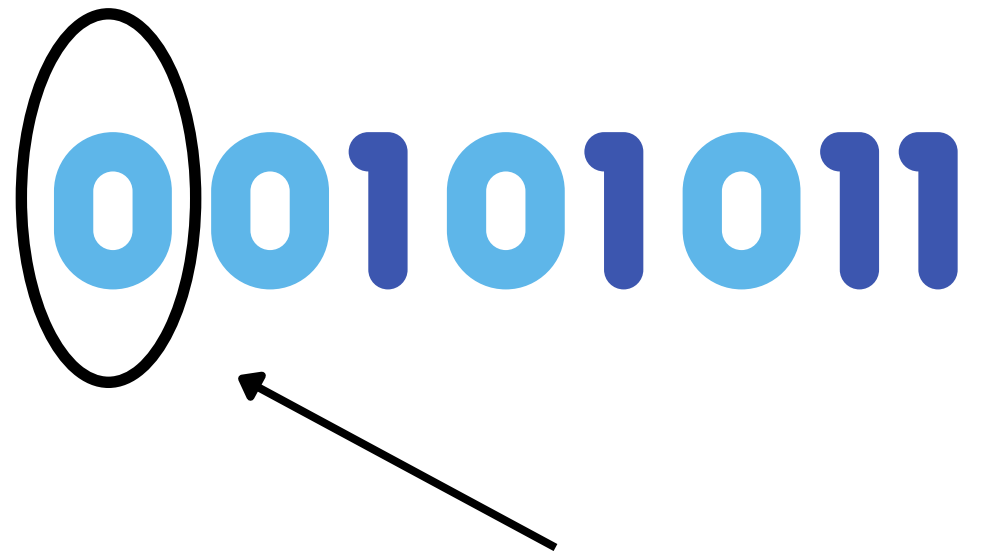
Scable Vector
Graphics



Binary



Bit



Byte

00101011

On/off



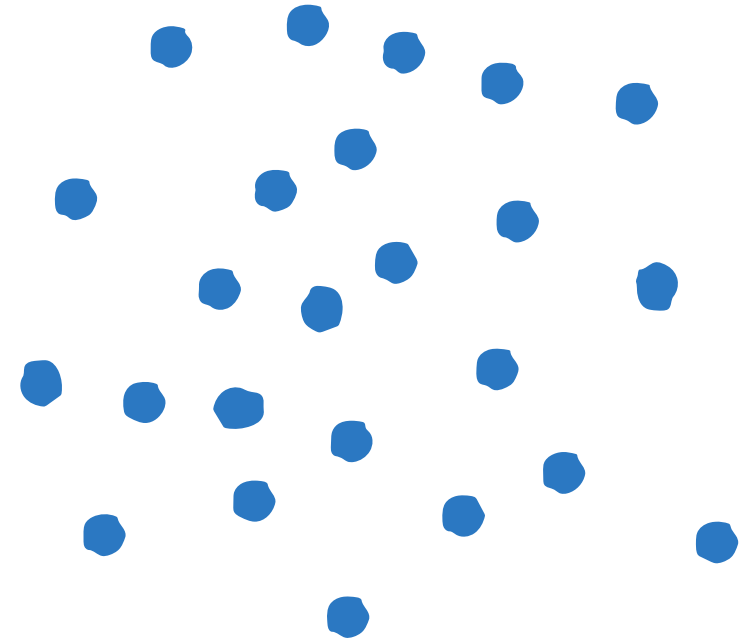
Theme Data



Curriculum Alignment

- AC9TDI8P01
- AC9TDI8P02

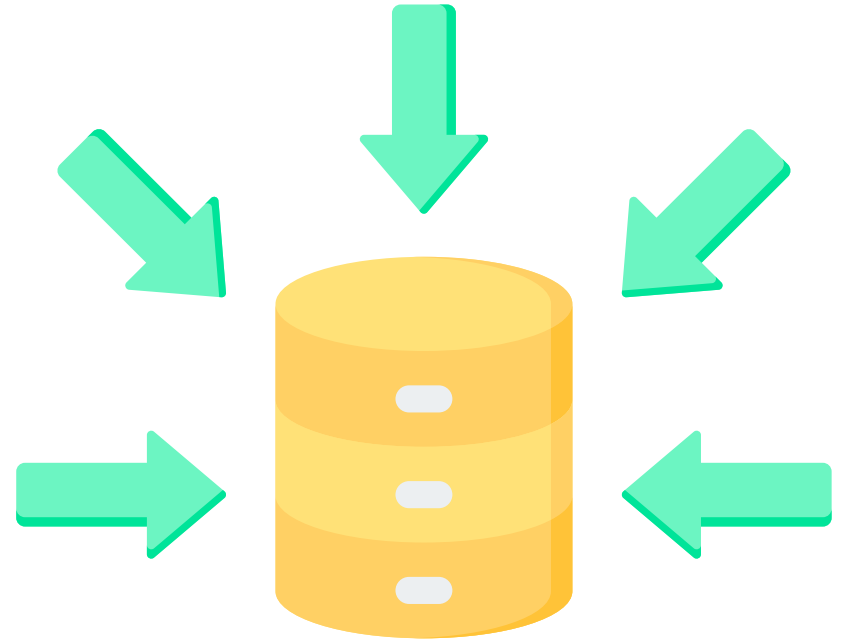
Data



Information



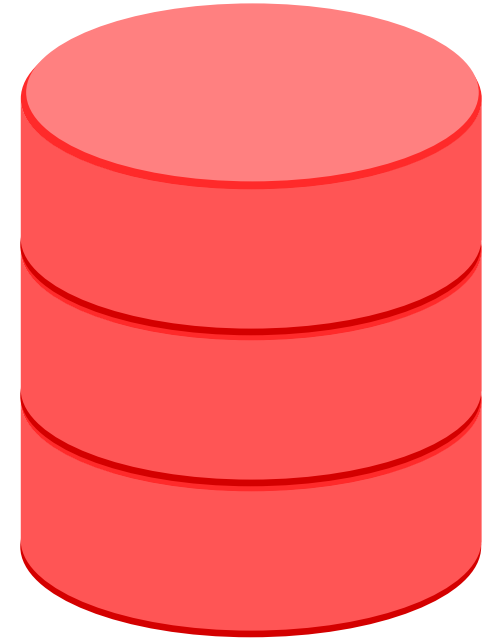
Acquire data



Reliable data



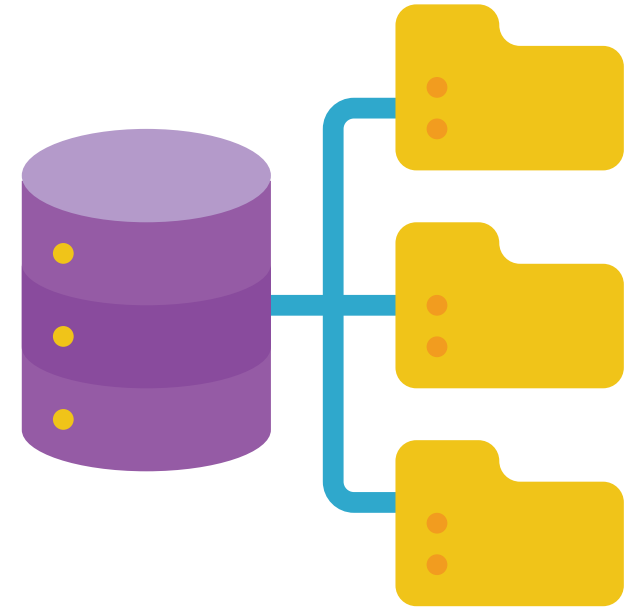
Storing
data



Spreadsheet



Database



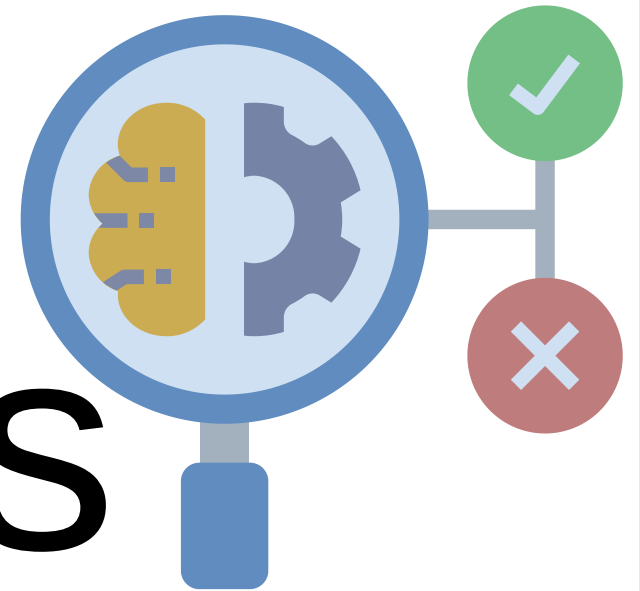
Visualisation



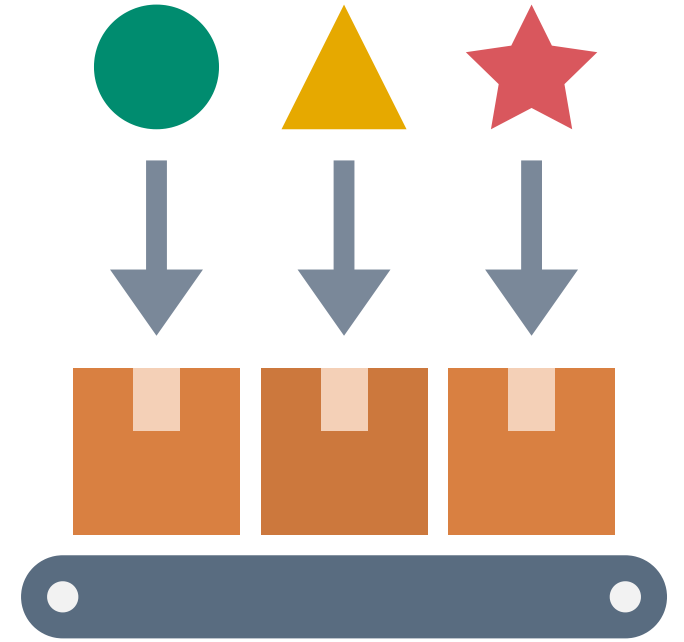
Data source



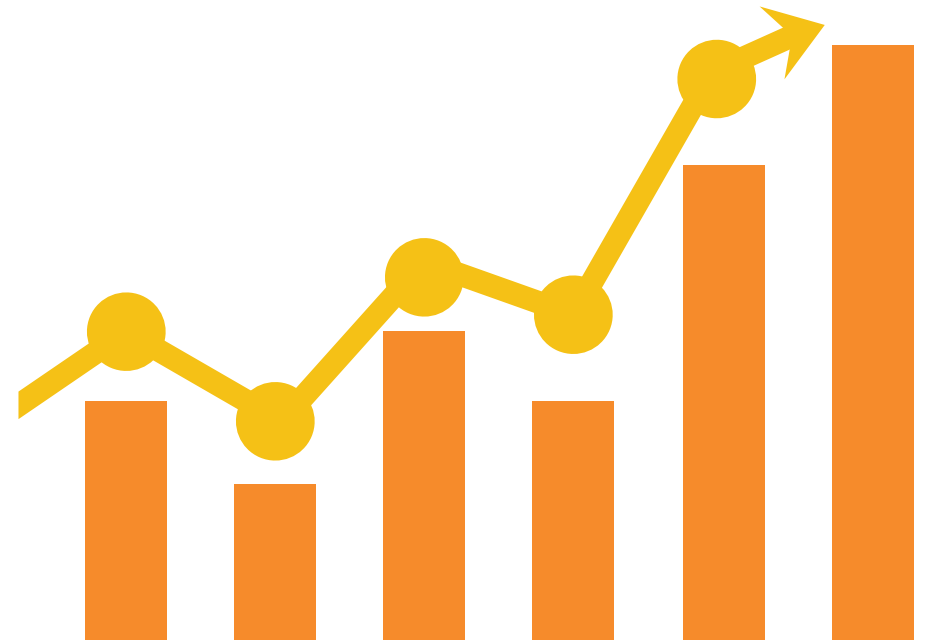
Make
predictions



Sorting



Graphs



Theme

Computational thinking



Curriculum Alignment



AC9TDI8P05



AC9TDI8P06



AC9TDI8P07



AC9TDI8P09

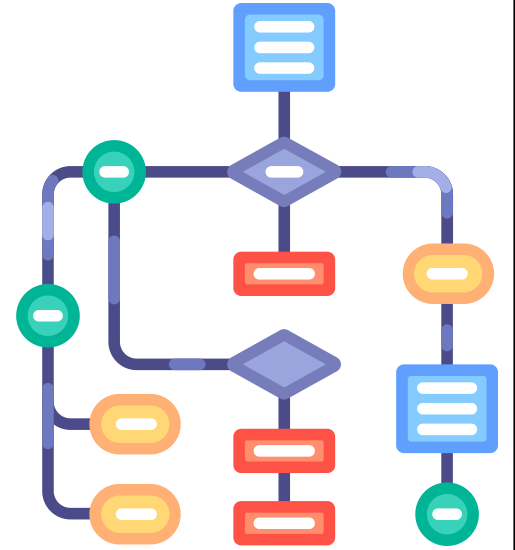
Algorithms



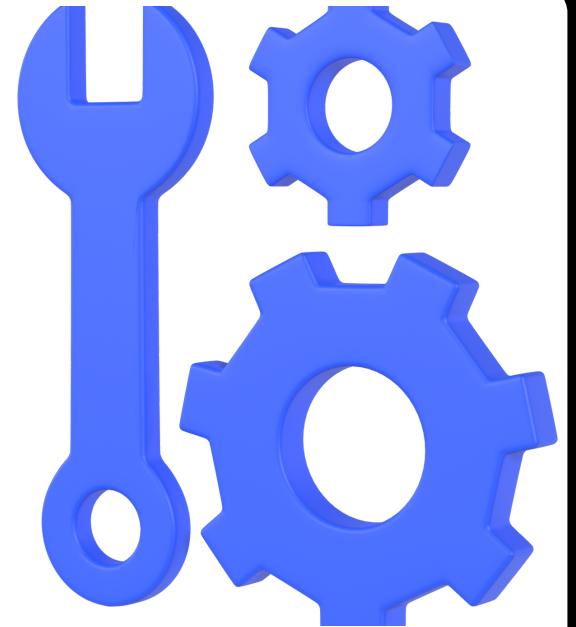
Pseudocode



Flowcharts



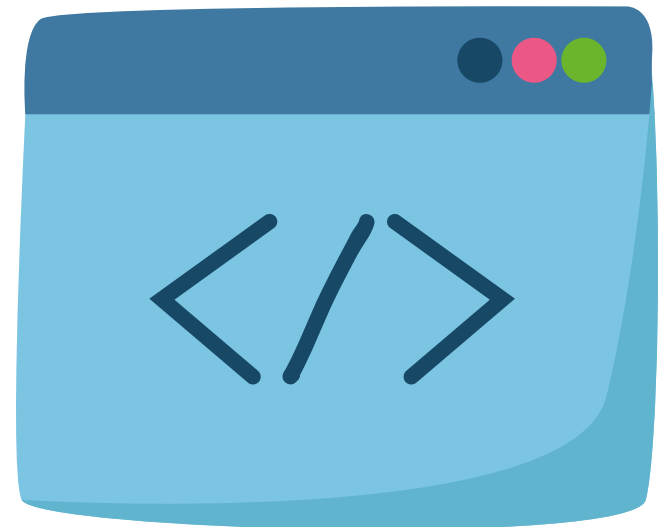
Functionality



Python



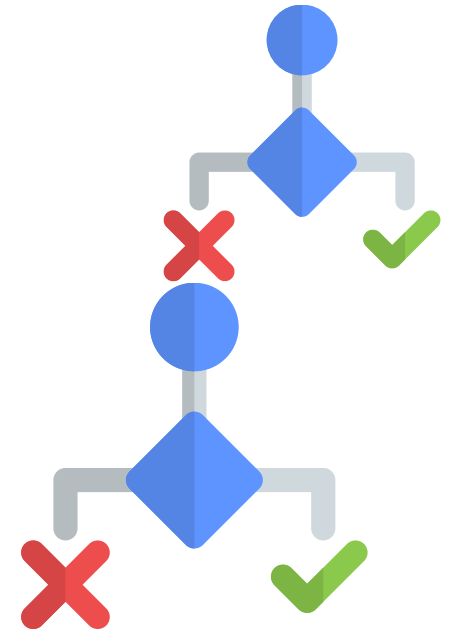
HTML



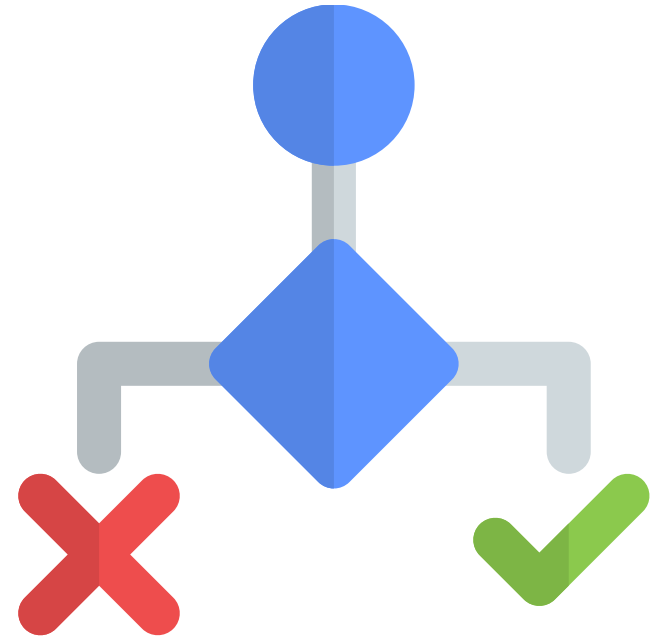
Java



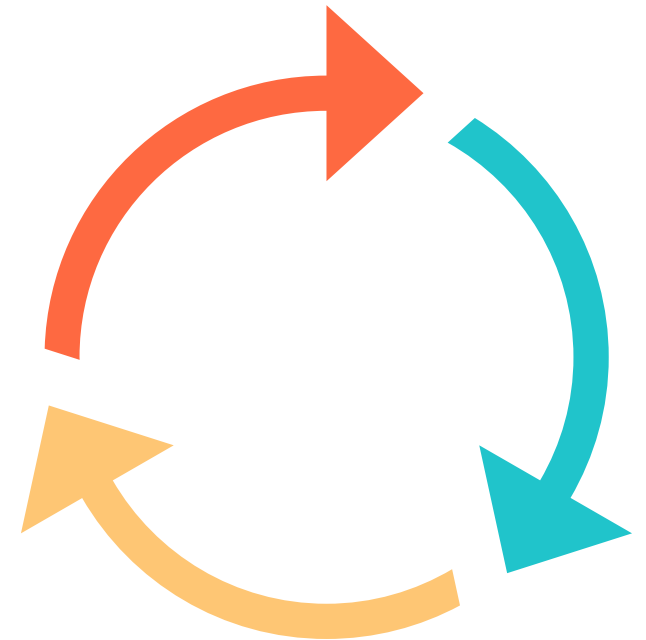
Nested if



If, then



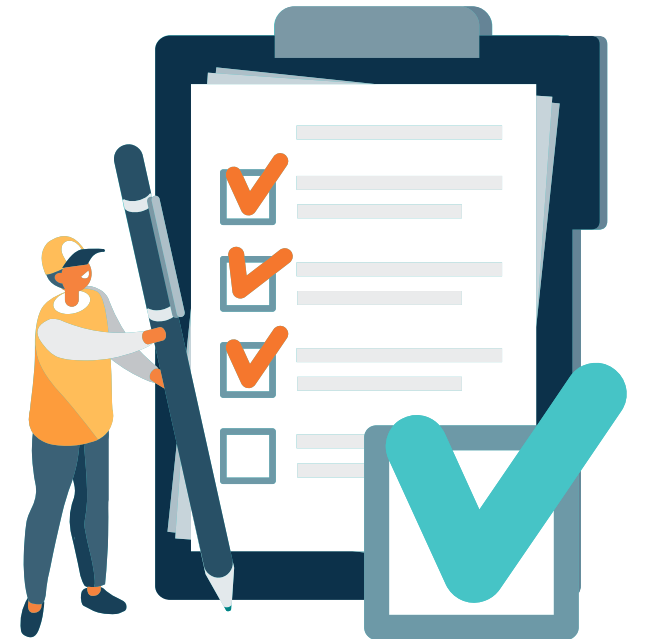
IF (loop)



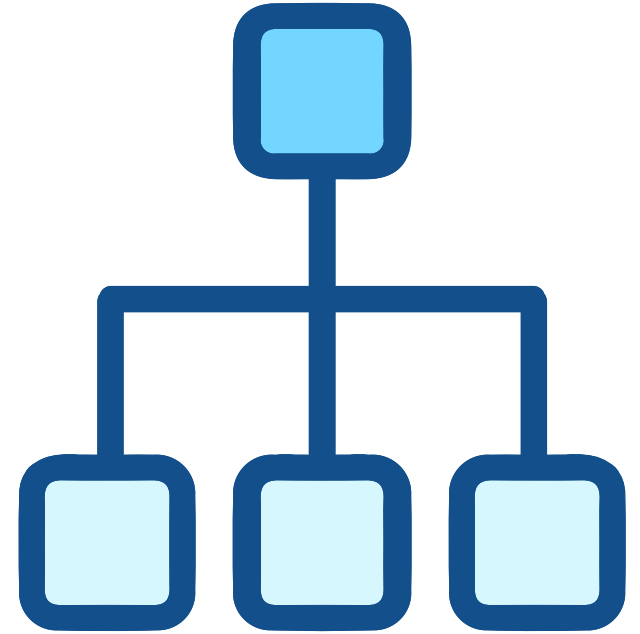
If, Until



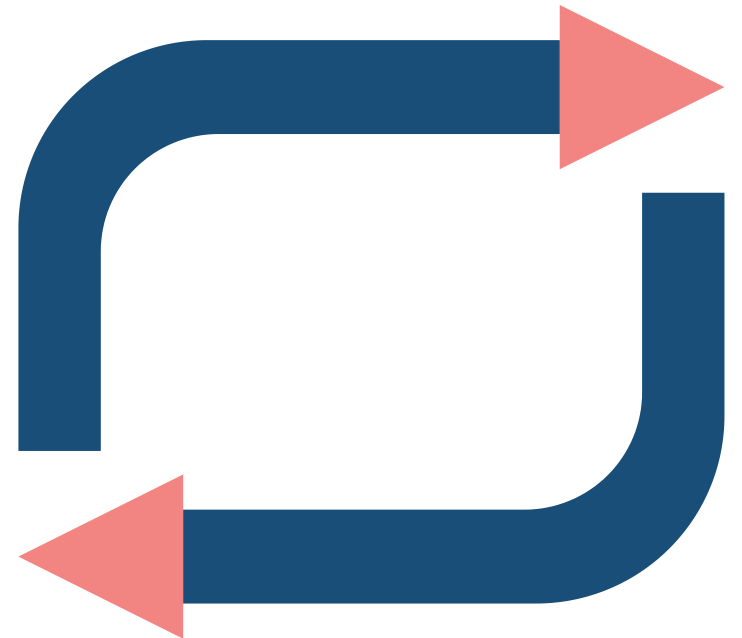
Trace and test



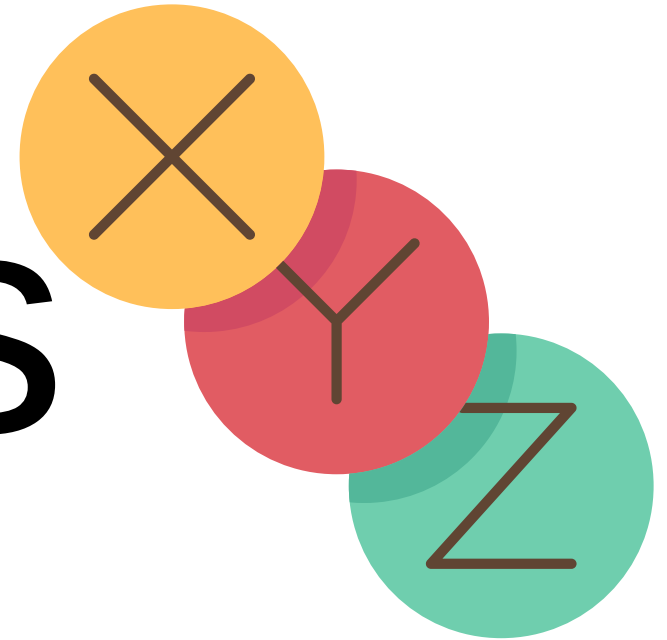
Branching



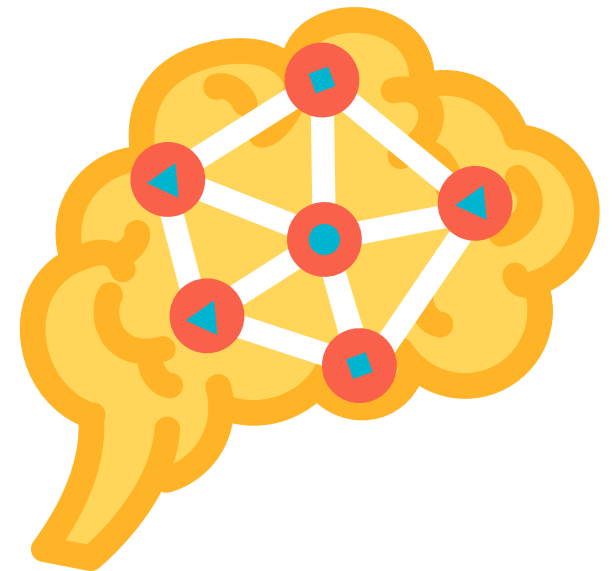
Iteration



Variables



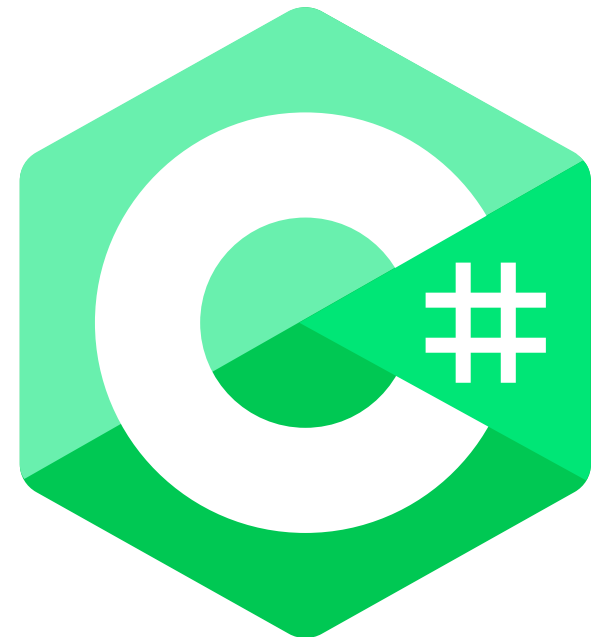
Functions



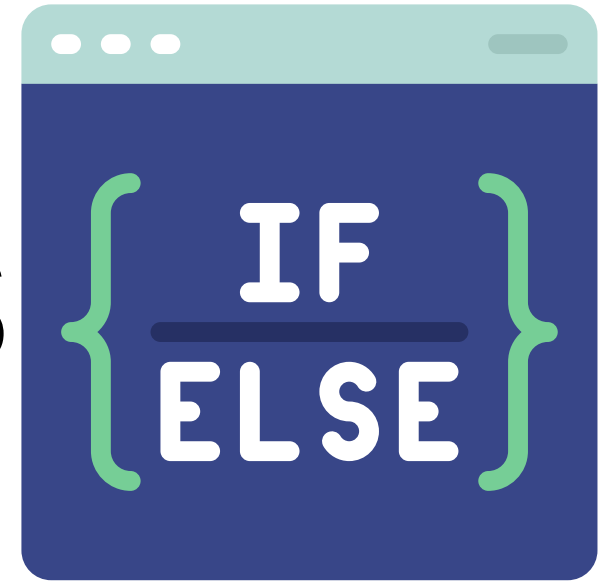
General purpose programming



C#



IF statements



Theme

Design thinking



Curriculum Alignment



AC9TDI8P07



AC9TDI8P08



AC9TDI8P10

User
interface



User
experience



User stories



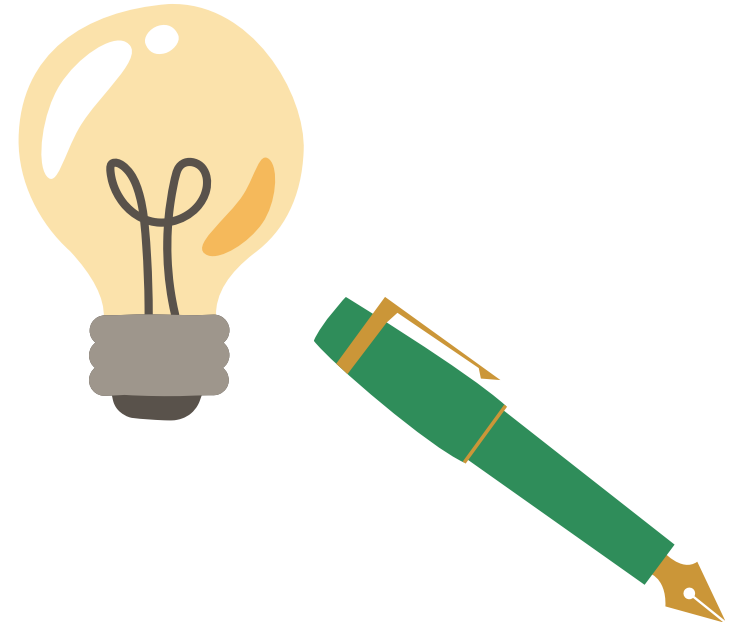
Wireframes



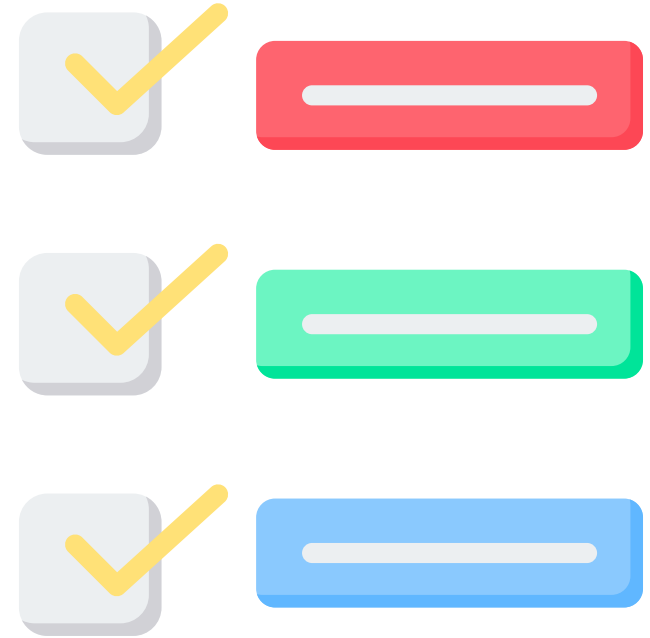
Storyboards



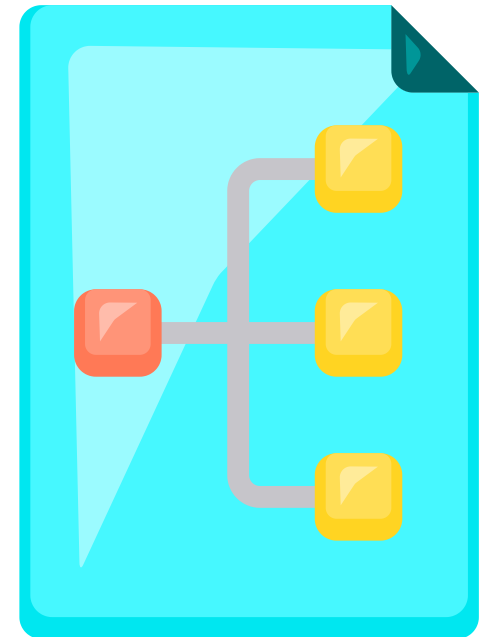
Designs



Criteria



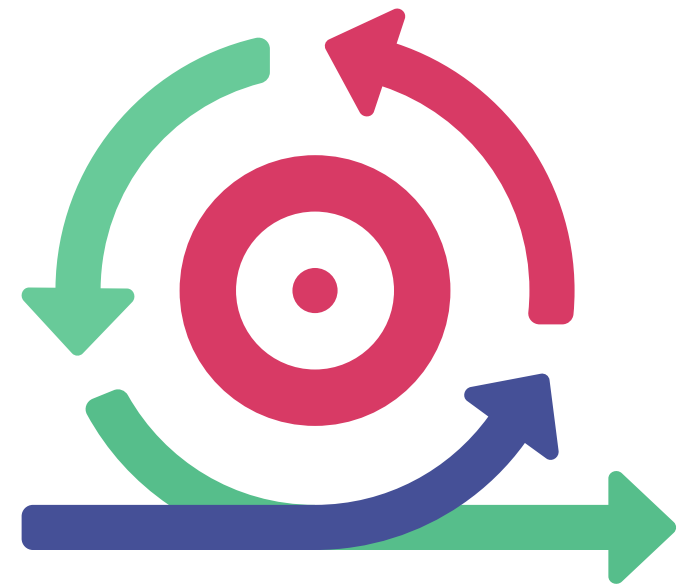
Concept maps



Diagrams



Iterative development approach



Generate ideas



Evaluate



Solutions



Review



Design criteria



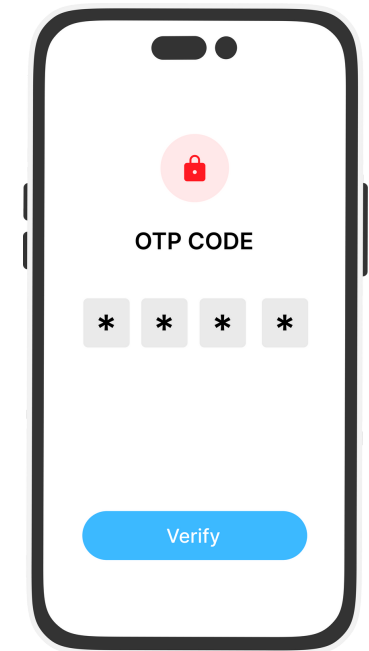
Privacy and security



Curriculum Alignment

- AC9TDI8P13
- AC9TDI8P14

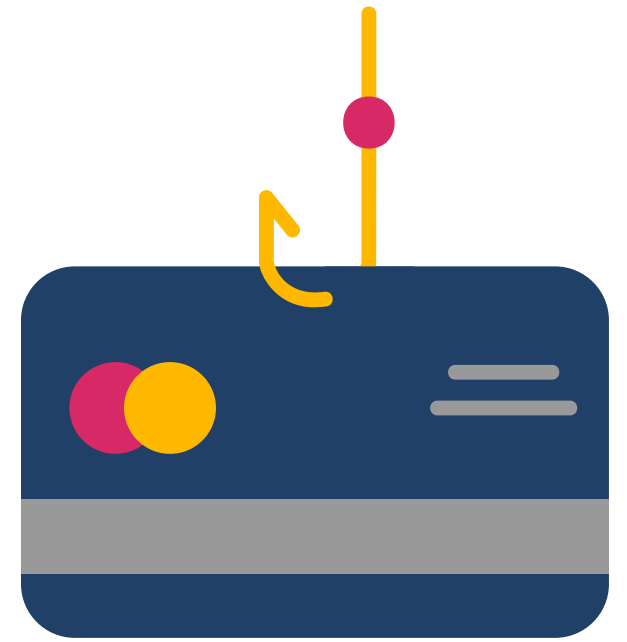
MFA
Multi-factor
authentication



Unauthorised
access



Phishing scams



Scams



Scams

