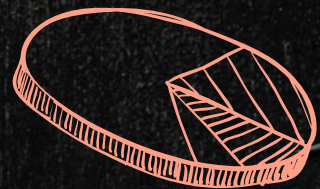
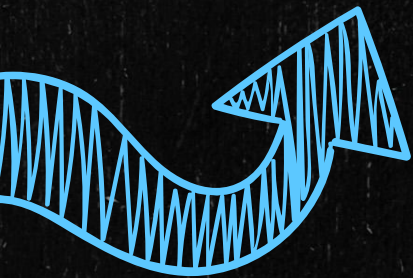
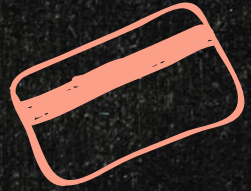


★ Programming Essentials-Demo 1

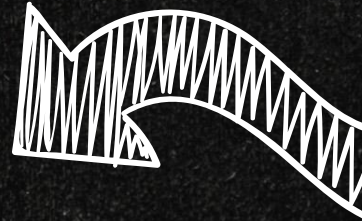


★ Presented By
Jeevan George John(Group 3)

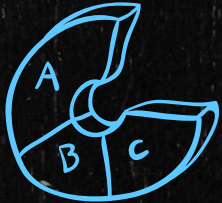




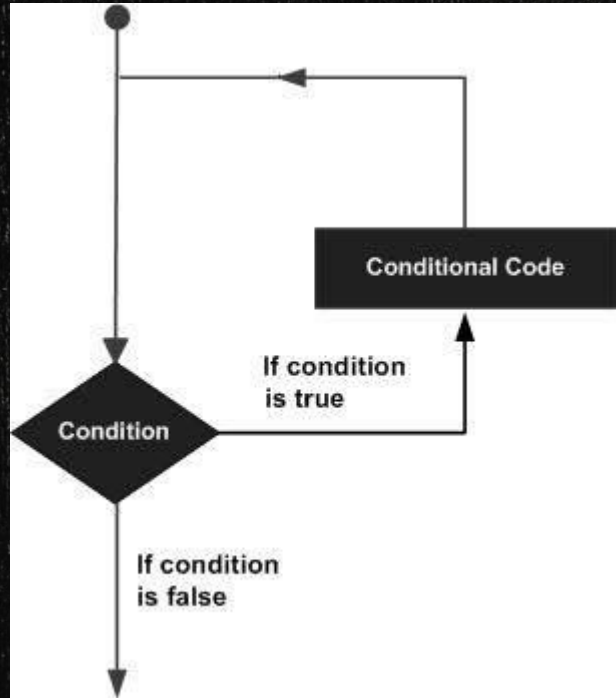
LOOPS



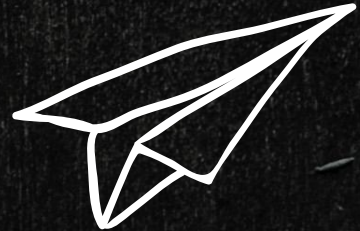
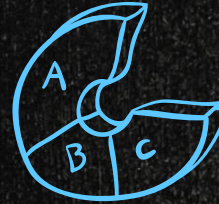
`console.log("Feature which facilitates the execution of a set of instructions /functions repeatedly while some conditions evaluates to true");`



Types of Loops



- Entry Controlled Loops
- Exit Controlled Loops





Loops

console.log("Javascript")



01

for loop

```
for(initialization;condition;increment)
{
  code to be executed
}
```

02

while loop

```
while(condition)
{
  code to be executed
}
```

03

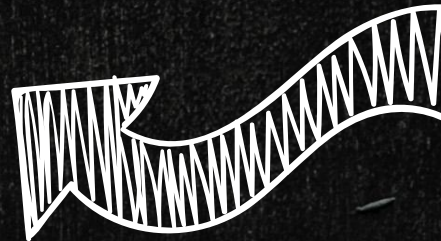
do-while loop

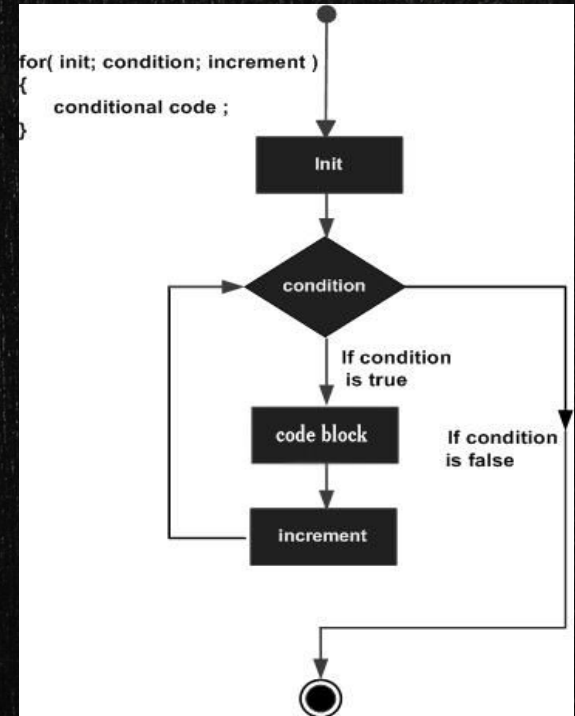
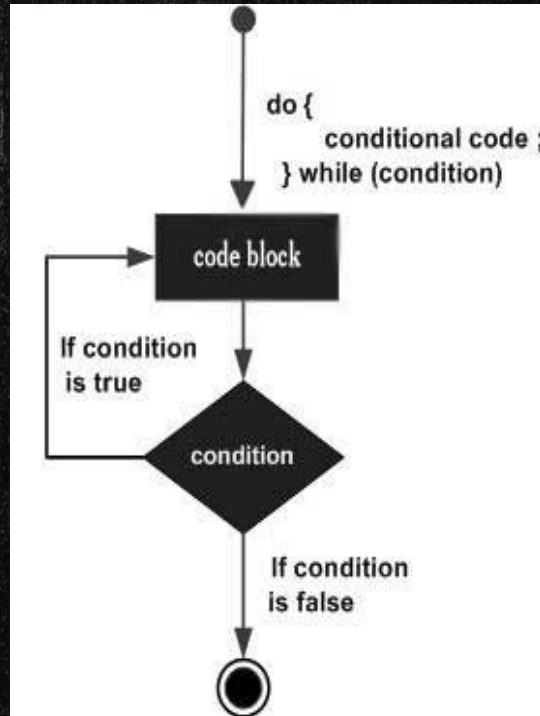
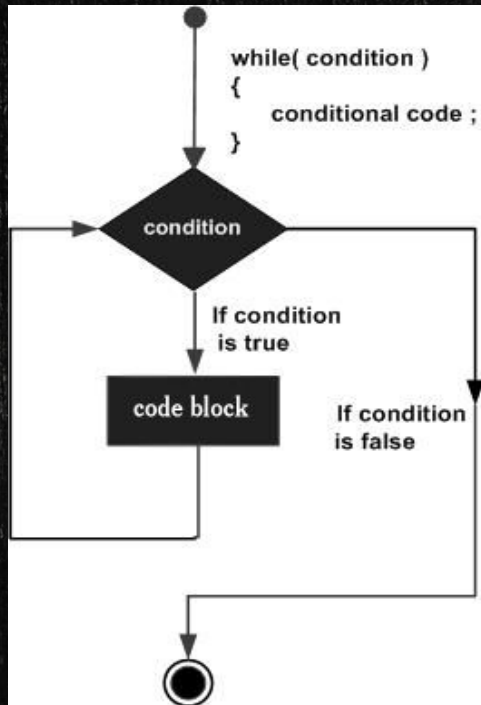
```
do{
  code to be executed
}while(condition);
```

04

for-in loop

```
for(var in object)
{
  code block to be executed
}
```





Real Life Example



- Software Program in a mobile device allows user to unlock the mobile with 3-5 password attempts. After that it resets mobile device.

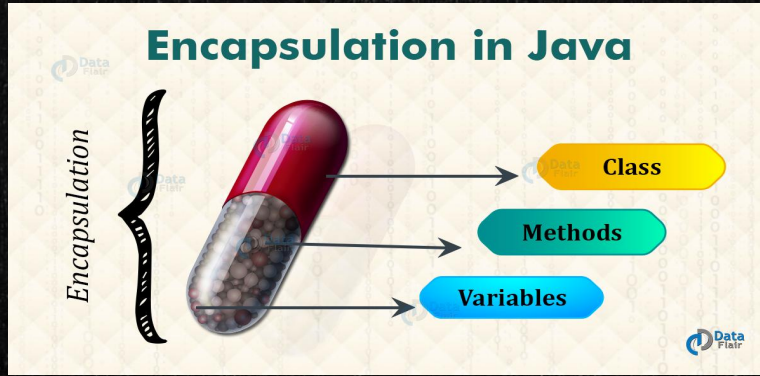




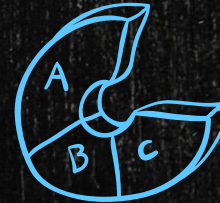
Encapsulation

`console.log("The wrapping of data under a single unit");`





- Consider a medical capsule, where the drug is always safe inside the capsule. Similarly, through encapsulation the methods and variables of a class are well hidden and safe.



Real Time Example



- Bank Account
- Email Account





Thankyou...

