

All my coures code here!

```
variable are those that change or declare themselves  
for example ; sun anytime around earth  
= time are change any second.
```

BOOL

bool answer are just true and false for exp are u using bool in java soo they using name in java boolean but we are in dart now our that use just bool . As we give any name soo lets see these name result soo bool are accepted they trus or false

if statement

the if statement are use in more apps for exp: watspp voice , message ,status and why new status show in top etc, facebook , instagram message reading , voice + call etc.

in if statement the if body answer are boolean form see the given below

```
void main() { int x = 20; int y = 20;  
  
    bool result;  
  
    result = x > y;  
  
    if (x == y) { print('x is equal to y'); }  
  
    print(result); }
```

if else

the two condition in use these even && odd not use any third condition in these are u check first condition even or odd but condition then false so

```
import 'dart:io';

void main() {
  stdout.write('enter your first number');
  int numberOne = int.parse(stdin.readLineSync()!);

  stdout.write('enter your second number');
  int numberTwo = int.parse(stdin.readLineSync()!);

  if (numberOne % 2 == 0) {
    print('$numberOne is an even number');
  } else {
    print('$numberOne is an odd number');
  }

  if (numberTwo % 2 == 0) {
    print('$numberTwo is an even number');
  } else {
    print('$numberTwo is an odd number');
  }
}

if (numberOne == numberTwo) ;

print('$numberOne is equal to $numberTwo');

if (numberOne + numberTwo == 10) ;
print('number are equal');
}
```

needed if else

they are statd condition where the condition keeps changing u step by step verify the condition or check the condition so let's start.

```
void main() {
  int marks = 100;

  int mathNumber = 40;

  if (mathNumber < 50) {
    print('you have failed the subject');
  } else if (mathNumber > 80 && mathNumber < 90) {
    print('grade number is B');
  } else if (mathNumber < 80 && mathNumber > 50) {
    print('grade number is C');
  } else {
    print('you are failed');
  }
}
```

increment and decrement

increamnt mean u added the + in value
decrement mean u - int in value

```
void main() {  
    int x = 10;  
  
    // prefixt , postfix  
    //++x; // postfix increment  
  
    //--x; // prefixt increament  
    print(--x);  
}
```

for loop

loops are arrounding the circle soo we are control the loops
and u writing 100 or 200 line code writing in programing but loops through u writing in 3,4 line .

```
import 'dart:io';  
  
void main() {  
    stdout.write('Please enter number :');  
    int x = int.parse(stdin.readLineSync()!);  
  
    int sum = 0;  
    double average;  
  
    for (int i = 1; i <= x; i++) {  
        sum = sum + i;  
  
        average = sum / x;  
        print(sum);  
        print(average);  
    }  
}
```

while loop

the while loop as long your condition is true soo the while loop is in infinait condition

```
void main() {  
    int x = 1;  
    while (x < 5) {  
        print(x);  
  
        x++;  
    }  
}
```

list tutorial

creating a list in added all value .

```
import 'dart:io';

void main() {
  List<int> age = [];

  int newAge = 0;
  stdout.write('please enter number');
  int inputCount = int.parse(stdin.readLineSync()!);

  for (int i = 0; i < inputCount; i++) {
    stdout.write('Enter age:');
    newAge = int.parse(stdin.readLineSync()!);
    age.add(newAge);
    newAge = 0;
  }

  for (int i = 0; i < age.length; i++) {
    print('age ${age[i]}');
  }
}
```

dart functions

soo we are study in these lecture functions
for example void functions future functions how to pass the parameter

```
import 'dart:io';

void main() {
  print(subtract(20, 50));
  print(name());
  sum(40 , 120);
}

void sum(int number1 ,int numberTwo) {
  print(number1 + numberTwo);
}

int subtract(int x, int y) {
  return x - y;
}

String name() {
  return 'saad shaikh';
}
```

```

import 'dart:io';

void main() {
  // print(test1());
  print(test());

  test().then ((value){
    print(value);
  });
}

Future<int> test() async {
  print('shaikh');
  //await Future.delayed(Duration(seconds: 2));

  return Future.value(0);
}

int test1() {
  print('saaaaaad');
  return 1;
}

```

switch dart

switch and if else statement are same word but mostly if else use .

```

import 'dart:io';

void main() {
  int x = 20;
  int y = 40;

  var operation = '-';

  switch (operation) {
    case '+':
      print(x + y);
      return;

    case '-':
      print(y - x);
      return;
  }
}

```

Dart map

```
import 'dart:collection';

void main() {
  int x = 20;
  Map<String, dynamic> map = {'name': "saad shaikh", 'age': 20};

  Map<String, int> map1 = {'saaaad': 1};
}
```