***Functions:***

void main() {

func1(81.3);

func1(30);

}

void func1(var per){

if(per >= 80)

{

print("A+");

}

else

{

print("fail");

}

}

***Functions using parameters:***

void main() {

var names = ["Hassan", "Hyder", "Ali"];

var per = [78.8,67,76];

func1(per, names);

}

void func1(List<num> per, List<String> names) {

for (int i = 0; i < names.length; i++) {

print("${names[i]}");

print("${per[i]}");

if (per[i] >= 60 && per[i] < 70) {

print("You've Secured ${per[i]}% with C grade");

} else if (per[i] >= 70 && per[i] < 73) {

print("You've Secured ${per[i]}% with C+ grade");

} else if (per[i] >= 73 && per[i] < 79) {

print("You've Secured ${per[i]}% with B grade");

} else if (per[i] >= 79 && per[i] < 87) {

print("You've Secured ${per[i]}% with B+ grade");

} else if (per[i] >= 87) {

print("You've Secured ${per[i]}% with A grade");

} else {

print("F grade");

}

}

}

void main() {

var names = ["Hassan", "Hyder", "Ali"];

var per = [78.8, 67, 76];

func1(per, names);

for (int i = 0; i < names.length; i++) {

funcWithoutLoop(per[i], names[i]);

}

}

void func1(List<num> per, List<String> names) {

for (int i = 0; i < names.length; i++) {

print("\n${names[i]}");

if (per[i] >= 60 && per[i] < 70) {

print("You've Secured ${per[i]}% with C grade");

} else if (per[i] >= 70 && per[i] < 73) {

print("You've Secured ${per[i]}% with C+ grade");

} else if (per[i] >= 73 && per[i] < 79) {

print("You've Secured ${per[i]}% with B grade");

} else if (per[i] >= 79 && per[i] < 87) {

print("You've Secured ${per[i]}% with B+ grade");

} else if (per[i] >= 87) {

print("You've Secured ${per[i]}% with A grade");

} else {

print("F grade");

}

}

}

void funcWithoutLoop(var per, var names) {

print("\n${names}");

if (per >= 60 && per < 70) {

print("You've Secured ${per}% with C grade");

} else if (per >= 70 && per < 73) {

print("You've Secured ${per}% with C+ grade");

} else if (per >= 73 && per < 79) {

print("You've Secured ${per}% with B grade");

} else if (per >= 79 && per < 87) {

print("You've Secured ${per}% with B+ grade");

} else if (per >= 87) {

print("You've Secured ${per}% with A grade");

} else {

print("F grade");

}

}

***RETURN:***

void main() {

print(func());

// return value bhejta hai print nhi krta

}

double func(){

var sub1 = 54;

var sub2 = 64;

var sub3 = 74;

var per = ((sub1 + sub2 + sub3) \* 100) / 300;

return per;

}

***CLASS:***

void main() {

Car obj = new Car();

print(obj.name);

obj.hello();

}

class Car{

var name = "mehran";

void hello(){

print("HELLO");

}

}

***CLASS WITH CONSTRUCTOR:***

void main() {

Developer me = Developer(age: 12,name: "Hyder");

me.hello();

}

class Developer{

//properties definition

int age;

String name;

//constructor

//class k under se name or age ko acces krny k liye THIS.NAME use kia hai

Developer({required this.name, required this.age});

//method

void hello(){

print("HELLO");

}

}