

Print Function Working

Using Concatination

In [1]:

```
# Adding two variables in Print using concatination  
a=10  
b="harshith"  
print(str(a)+' '+b)
```

10 harshith

Using Comma

In [2]:

```
# Add them using comma  
print(a,b)
```

10 harshith

fstring, Formatting and Placeholders

let's think name=Harshith, age=21 and degree =Btech

print My name is Harshith and My age is 21 and I had done my BTech

In [3]:

```
#fstring
name="Harshith"
age=21
degree="Btech"
print(f"My name is {name} and age is {age} and I had done {de
```

My name is Harshith and age is 21 and I had done
ne Btech

In [4]:

```
#formatting

print("My name is {} and age is {} and I had done my {}".form
```

My name is Harshith and age is 21 and I had done
ne my Btech

In [5]:

```
#Placeholders

print("My name is {n} and age is {a} and I had done my {d}".f
```

My name is Harshith and age is 21 and I had done
ne my Btech

Control Statements

In [6]:

```
# Control statements are used to make decisions i.e it can e
age=int(input("Enter the age:"))
if age>=18 and age<=45:
    print("You are young blood")
```

Enter the age:22

You are young blood

In [7]:

```
age=int(input("Enter the age:"))
if age>=18 and age<=45:
    print("You are young blood")
else:
    print("You are not young blood")
```

Enter the age:11

You are not young blood

In [8]:

```
## shop
## if greater than 1000 rs then to buy a product in my shop y
## if less than or equal to 1000 rs then to buy a product in
## print the product price after the discount

price=int(input("enter price:"))
if price>=1000:
    print("price after discount is",price*0.9)
else:
    print("price after discount is",price*0.7)
```

enter price:999

price after discount is 699.3

Loop Statements:

In [9]:

```
# While Loop
money=1000
while money!=0:
    money=money-100
    print(f"Money remaining is {money}")
else:
    print("it's time to add more money!")
```

```
Money remaining is 900
Money remaining is 800
Money remaining is 700
Money remaining is 600
Money remaining is 500
Money remaining is 400
Money remaining is 300
Money remaining is 200
Money remaining is 100
Money remaining is 0
it's time to add more money!
```

In [10]:

```
#for Loop
lst=["Mango", "cherry", "grape", "orange"]
for i in lst:
    print(i)
    if i=="cherry":
        print("this is cherry")
```

```
Mango
cherry
this is cherry
grape
orange
```

In [11]:

```
# Nested Loops
n=7
for i in range(0,n):
    for j in range(0,i+1):
        print("*",end='')
    print()
```

```
*
**
***
****
*****
*****
*****
*****
```

Loop Controls

In [12]:

```
#Break Statement will break the loop
for i in lst:
    if i=="grape":
        break
    print(i)
```

Mango
cherry

In [13]:

```
#continue will skip the loop  
for i in lst:  
    if i=="grape":  
        continue  
    print(i)
```

Mango
cherry
orange