**Unit 2:**

1: string :

print ("enetr the value")

print (‘ram \ shyam \ ramu’)

2: numerical literals

a= 10

b =23.6

c = 10+5j

print (a)

print (b)

print (c)

3: list and tuple

c =[1,2,3,4]

b =(1,2,3,4)

print (c)

print (b)

d =['am','bt','red']

e =('am','bt','red')

print (d)

print (e)

4: a = 10

b = 23.5

print (a,b,sep='--')

5:

a = 10

b = 23.5

print (a,b,sep='\n')

6:

x = 4

y = 5

print ("x+y:",x+y)

print ("x-y:",x-y)

print ("x\*y:",x\*y)

print ("x //y:",x//y)

print ("x\*\*y:",x\*\*y)

1: odd/ even

n= int (input ("enter no"))

if (n%2==0):

print ("even")

else:

print ("odd")

2: less or greater

n= int (input ("enter no"))

if (n>0):

n =n+1

print ("value of no",n)

else:

print ("value of n is less than 0")

3:

n= int (input ("enter no"))

if (n>95):

print ("exellent",n)

else:

print ("not exellent")

4:

marks= int (input ("enter your percentage"))

if (marks>95):

print ("exellent")

elif(marks>80 and marks <=95):

print ("good")

elif(marks>60 and marks <=80):

print ("average")

else:

print ("below average")

5:

marks = int (input ("enter your age in years"))

if marks>95:

print ("exellent")

elif marks>80 and marks <=95:

print ("good")

elif marks>60 and marks <=80:

print ("average")

else:

print ("below average")

6:

age = int (input ("enter your age in years"))

if age>0:

if age<18:

print ("your age is less than 18")

else:

print ("you are above 18")

else:

print ("age could not be less thyan 0")

7:

x =3

if (x>2 or x<5) and x==6:

print ("ok")

else:

print ("no output")

8:

y =0.3

if y!=0.3:

print ("lunch missile")

else:

print ("let have peace")

9:

x=3

if (x>2):

x =x\*2;

if (x>4):

x=0;

print (x)

10:

i =1

while (i<5):

print (i)

i=i+1

11:

condition1 =1

while (condition1<=3):

print (condition1,"outer loop executed")

condition2=1

while condition2<=3:

print (condition2,"inner loop executed")

condition2+=1

condition1+=1

13:

i=0

while i<3:

print(i)

i+=1

else:

print (0)

14:

num1=16

num2=6

while (num1>=2):

if(num1>num2):

num1=num1/2

else:

print(num1)

break

15: range

print (list(range(5)))

print (list(range(1,5)))

print (list(range(1,20,2)))

print (list(range(100,20,-2)))\

16:

for i in range (10):

print (i)

17:

num = range (10)

for i in num:

print (i)

18:

num =5

for i in range (1,11):

print (i,"\*5=",i\*5)

19:

var=10

for i in range (10):

for j in range (2,10,1):

print (i,j)

20:

for i in range (2):

for j in range (3):

print (i,j)

20:

string ="TECHNOLOGY"

for j in range(len(string)):

print (string[4])

21:

num1 = 5

num2 = 4

while ( num2>=1):

print ('&')

for index in range (1,num1+1):

print ('+')

num2= num2-1

print ('\*')

22:

for i in range (0,51):

if (i%2!=0 and i%3!=0):

print (i)

23:

i=1

while i<5:

if i==3:

break

print (i)

i=i+1

print ("ALL DONE")

24:

i=1

while i<5:

if i==3:

i=i+1

continue

print (i)

i=i+1

print ("ALL DONE")

25:

condition=1

while (condition<5):

print (condition)

condition=condition+1

else:

print ("else part executed")

26:

condition=1

while (condition<5):

print (condition)

condition=condition+1

if (condition==3):

break

else:

print ("else part executed")

27:

for i in range (5):

print (i)

else:

print ("loop finished")

28:

for i in range (11):

if (i==5):

break

print (i)

else:

print ("loop finished")

29:

color\_name=['Red','Green','Blue','Pink']

name=input("Enter color name to be search")

for c in color\_name:

if name==c:

print(f"Color\_name{c} found in List")

break

else:

print("color name not found in list")

30:

n=int(input("Enter any positive number"))

for i in range (2,n):

if n%i==0:

print(f"{n} is not prime number")

break

else:

print(f"{n} is a prime number")

31:

for i in range (6):

if (i==3):

continue

print (i)

32:

for i in range (10):

print(i)

if (i==7):

print ("break")

break