**Loops**

1.Write a program to print “Bright IT Career” ten times using for loop

for i in range(10):

print("BRIGHT IT CAREER")

2. Write a program to print 1 to 20 numbers using the while loop.

i = 1

while(i<=20):

print(i)

i += 1

3. Program to equal operator and not equal operators

a = 21

b = 10

c = 21

if ( a == c ):

print "Line 1 - a is equal to b"

else:

print "Line 1 - a is not equal to b"

if ( a != b ):

print "Line 2 - a is not equal to b"

else:

print "Line 2 - a is equal to b"

4. Write a program to print the odd and even numbers.

num = int (input (“Enter any number to test whether it is odd or even: “)

if (num % 2) == 0:

print (“The number is even”)

else:

print (“The provided number is odd”)

5. Write a program to print largest number among three numbers.

a = int(input('Enter first number : '))

b = int(input('Enter second number : '))

c = int(input('Enter third number : '))

largest = 0

if a > b and a > c:

largest = a

if b > a and b > c:

largest = b

if c > a and c > b:

largest = c

print(largest, "is the largest of three numbers.")

6. Write a program to print even number between 10 and 20 using while

max = 20

num = 1

while num <= max:

if(num % 2 == 0):

print("{0}".format(num))

num = num + 1

7. Write a program to print 1 to 10 using the do-while loop statement.

i = 1

while True:

print(i)

i = i + 1

if(i > 10):

break

8. Write a program to find Armstrong number or not

n = int(input("Enter a number: "))

s = 0

t = n

while t > 0:

digit = t % 10

s += digit \*\* 3

t //= 10

if n == s:

print(n,"is an Armstrong number")

else:

print(n,"is not an Armstrong number")

9. Write a program to find the prime or not.

num = 407

if num > 1:

for i in range(2,num):

if (num % i) == 0:

print(num,"is not a prime number")

print(i,"times",num//i,"is",num)

break

else:

print(num,"is a prime number")

else:

print(num,"is not a prime number")

10. Write a program to palindrome or not.

def isPalindrome(str):

for i in range(0, int(len(str)/2)):

if str[i] != str[len(str)-i-1]:

return False

return True

s = "malayalam"

ans = isPalindrome(s)

if (ans):

print("Yes")

else:

print("No")

11. Program to check whether a number is EVEN or ODD using switch

num = int(input("Enter a number: "))

mod = num % 2

if mod > 0:

print("This is an odd number.")

else:

print("This is an even number.")