Python codes

Problem Statement

1. print 1 to n prime numbers in python (#prime number series)

Source code:

n = int(input())

for num in range(2,n+1):

count = 0

for j in range(1,num+1):

if num%j==0:

count += 1

if count==2:

print(num,end=" ")

2.To find a factorial of a number

Source code :

def factorial(n):

fact = 1

for i in range(1,n+1):

fact = fact\*i

return fact

x = int(input())

3. reverse of a given number

Source code :

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

print("The entered number is ",n)

reverse=0

while n!=0:

remainder=n%10

reverse=(reverse\*10)+remainder

n=n//10

print("The reverse of the entered number is ",reverse)

4.palindrome or not

Source code:

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

a=n

reverse=0

while n!=0:

remainder=n%10

reverse=(reverse\*10)+remainder

n=n//10

if reverse==a:

print(“the given number is palindrome”)

else:

print((“the given number is not palindrome”)