Assignment 1 (Tarun Sharma )

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1)Write the program to find given number is even or odd ?

num4 = int(input("Enter the number to find even or odd :"))

if(num4 % 2 == 0):

print("The given number",num4,"is a even number")

else:

print("The given number",num4,"is a odd number")

output :

Enter the number to find even or odd :11

The given number 11 is a odd number

2)Write the python to find greatest of 3 numbers ?

num1 = int(input("Enter the first number :"))

num2 = int(input("Enter the second number :"))

num3 = int(input("Enter the third number :"))

if(num1 > num2) and (num1 > num3):

print("The greatest number is ", num1)

elif(num2 > num1) and (num2 > num3):

print("The greatest number is ", num2)

else:

print("The greatest number is ", num3)

output :

Enter the first number :10

Enter the second number :20

Enter the third number :30

The greatest number is 30

3)Write a python program to swap two variables ?

num5 = int(input("Enter the first number :"))

num6 = int(input("Enter the second number :"))

temp = 0

print("Before swapping")

print("X=",num5)

print("Y=",num6)

print ("After swapping")

temp = num5

num5 = num6

num6 = temp

print("X=",num5)

print("Y=",num6)

output :

Enter the first number :10

Enter the second number :20

Before swapping

X= 10

Y= 20

After swapping

X= 20

Y= 10

4)write a program to find the factorial of a number ?

n = int(input("Enter a number to find factorial: "))

factorial = 1

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

factorial \*= i

print(f"The factorial of {n} is {factorial}")

output :

Enter a number to find factorial: 5

The factorial of the given number 5 is 120

5)Write a program to find the given number prime or not ?

n = int(input("Enter the number to check whether it is prime or not :"))

count =0

for i in range(2,n):

if n % i == 0:

count = count+1

if count == 0:

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

else:

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

output:

Enter the number to check whether it is prime or not :5

The following number 5 is a prime number

6)write a program to find individual letters of a string ?

string1 = 'PRADEEP'

for letters in string1:

print(letters)

output :

P

R

A

D

E

E

P

7)write a program to Iterate a list using for loop

list1 = [1,2,3,4,5]

for res in list1:

print(res)

output :

1

2

3

4

5

8)write s python program using for loop and range function print multiplication table

n = int(input("Enter the number to print its table :"))

for i in range(1,11):

res = n \* i

print(n,"\*",i,"=", res)

output :

Enter the number to print its table :10

10 \* 1 = 10

10 \* 2 = 20

10 \* 3 = 30

10 \* 4 = 40

10 \* 5 = 50

10 \* 6 = 60

10 \* 7 = 70

10 \* 8 = 80

10 \* 9 = 90

10 \* 10 = 100

9)Write a program to print the numbers of given range

n = int(input("Enter the range to print :"))

for i in range(1,n):

print(i)

output :

Enter the range to print :10

1

2

3

4

5

6

7

8

9

10)write a program to print fibinocci series

n = int(input("Enter limit :"))

a = 0

b = 1

for i in range(1,n):

print(a)

c = a + b

a = b

b = c

output :

Enter limit :8

0

1

1

2

3

5

8