
Prectical Set -4

1 . Accept two integer values from user;display the number which is smaller and the number which is bigger.

```
a = int(input('Enter value of A :'))
b = int(input('Enter value of B :'))

if(a > b):
    print('Value Of A is Big')
else:
    print('Value Of A is Small')

if(a < b):
    print('Value Of B is Big')
else:
    print('Value Of B is Small')
```

02 Accept one integer value from user;check wheter entered number is divisible by 5 or not.

```
no = int(input('Enter Number :'))
if(no % 5 == 0):
    print('Number is divisible by 5 and Number is ->',no)
else:
    print('Number is not divisible by 5 and Number is ->',no)
```

03 accept one integer value from user;check wheter entered number is between 0 to 100 or not

```
no = int(input('Enter Number : '))

if(no > 0 and no <100):
    print('Number is between 0 and 100. Number is ->',no)
else:
    print('Number is not between 0 and 100. Number is ->',no)
```

04 accept one integer value from the user;display the length of entered number,also display thatthe entred number is of four digits or not.

```
no = int(input('Enter Nuymer : '))
no1 = str(no)
len = len(no1)
print('length of No :',len)

if(len == 4):
    print('Number digits is 4 digits. Number is ->',no)
else:
    print('Number digits is not 4 digits. Number is ->',no)
```

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05 Accept one integer value from the user; display appropriate day of week.

```
week = int(input('Enter Number of Day between 1 and 7 :'))
if(week < 7):
    if(week == 1):
        print('Sunday...')
    if(week == 2):
        print('Monday...')
    if(week == 3):
        print('Tuesday...')
    if(week == 4):
        print('Wednesday...')
    if(week == 5):
        print('Thursday...')
    if(week == 6):
        print('Friday...')
    if(week == 7):
        print('Saturday...')
else:
    print('please select a number between 1 and 7..')
```

06 take choice from the user ,and perform the arithmetic operation as per the choice.

1. Addition, 2. Subtraction, 3. Multiplication, 4. Division

```
a = int(input('Enter the number of A :'))
b = int(input('Enter the number of B :'))

ch = input('Enter choice of +,-,*,/ : ')

if(ch == '+'):
    add = a + b
    print('Addition -> ',add)
elif(ch == '-'):
    sub = a - b
    print('Subtraction -> ',sub)
elif(ch == '*'):
    mul = a * b
    print('Multiplication -> ',mul)
elif(ch == '/'):
    div = a / b
    print('Division -> ',div)
else:
    print('Enter valid choice')
```

7) Accept the string from the user; display the count of vowels and consonants.

```
a = str.lower(input("Enter Any String :"))
print("-----")
len = len(a)
vowel = 0
const = 0
```

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```
space = 0
```

```
for i in range(len):
    if a[i]=='a' or a[i]=='e' or a[i]=='i' or a[i]=='o' or a[i]=='u' :
        vowel += 1
    elif a[i]==' ':
        space += 1
    else:
        const+=1
print("Vowel in given string :", vowel)
print("Constant in given string :", const)
print("Space in given string :", space)
```

8) Accept one integer value from the user; display the table of it.

```
a = int(input("Enter Any Number : "))
```

```
for i in range(1,11):
    print(a," X ",i," = ",a*i)
```

9) Display square and cube of numbers 1-10.

```
for i in range(1,11):
    print("Square of ",i , " : ",i**2,end = "\t")
    print("Cube of ",i," : ",i**3)
```

#10. Accept the string from the user;convert into upper case.

```
a = str.upper(input("Enter any string :"))
```

```
print("String in upper case :",a)
```

11) Display the following output using loop:

i. 1 to 10

```
print("Print 1 to 10")
```

```
for i in range(1, 11):
    print(i)
```

ii. 10 to 1

```
print( "\n\nPrint 10 to 1" )
```

```
for i in range(10,0,-1):
    print(i)
```

iii. 1 3 5 7 9\

```
print("\n\nPrint 1 3 5 7 9")
```

```
for i in range(1,11,2):
    print(i)
```

iv. 2 4 6 8 10

```
print("\n\nPrint 2 4 6 8 10")
```

```
for i in range(2,11,2):
    print(i)
```

12) Print 1 2 4 8 16 32 64 128 256 512 1024

```
a=1
```

```
while a<=1024:
```

```
    print(a)
```

```
    a = a*2
```

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13) Accept the number from the user; display the table of that number.

```
a = int(input("Enter any number to print table :"))
for i in range(1,11):
    print(a," X ",i," = ",a*i)
```

14) Accept numbers from the user; display the sum of the entered numbers.

```
print("Enter Numbers and get sum of given numbers,for stop insering numbers please enter 0.")
a=1
num = None
sum = 0
while num!=0:
    num = int(input("Enter Number: "))
    sum += num
    a+=1
print("Sum of your entered numbers is :",sum)
```

15) Accept numbers from the user; display the count of the entered numbers.

```
print("Please Enter Numbers,For stop entring numbers enter 0.")
count = 0
a=None
while a!=0:
    b = int(input("Enter Number : "))
    if(b==0):
        break
    count += 1
print("You Entered ",count," Numbers.")
```

16) Accept numbers from the user; find and display number of zeros available in the number.

```
num = int(input("Enter Any number : "))
count = 0
n_str = str(num)
for i in n_str:
    if i=='0':
        count +=1

print("Numbers of 0 in given number is :",count)
```

17) Accept an integer from the user; tell user that whether entered number is even or odd.

```
ans = 'Y'
while ans.lower() == 'y':
    num = int(input("Enter any number :"))
    if num%2==0:
        print(num," is an Even Number.")
        print("-----")
        ans = input("Do you want to check another number? Y/N ")
    else :
        print(num," is an Odd Number.")
        print("-----")
        print("Do you want to check another number? Y/N ")
```