Prectical Set -4

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

```python
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 enterd number is divisible by 5 or not.

```python
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 enterd number is between 0 to 100 or not

```python
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.

```python
no = int(input('Enter Nuymber : '))
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;pdisplay appropriate day of week.

```python
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

```python
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')
```

```python
# 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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```python
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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```python
# 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 ")
        if  ans.lower() != 'y' and ans.lower()!='n':
            while ans.lower() != 'y' and ans.lower()!='n':
                print("Please enter only Y or N..")
                ans = input("Do you want to check another number? Y/N ")
```

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```python
    else :
        print(num," is an Odd Number.")
        print("--------------------------")
    ans = input("Do you want to check another number? Y/N ")
    if(ans.lower() != 'y' and ans.lower()!='n'):
        print("Please enter only Y or N..")
        ans = input("Do you want to check another number? Y/N ")
```