Assignment 5

[1]:
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#1.WAP to determine whether the entered character is vowel or not.

vowel=['a','e','i','o','u','A','E','I','O','U']
userinput=input()
if userinput in vowel:
    print("VOWEL")
else:
    print("NOT VOWEL")
```

```
VOWEL
```

[3]:
```
#2.WAP to take input from user and then check if it is a number or character.␣
 ↪If it is character determine it is in upper case or lower case.

user=input()

try:
    int(user)
    print("integer")
except:

    if user.isupper():
        print("upper-case")
    elif user.islower():
        print("lower-case")
```

```
integer
```

[4]:
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#3.WAP to enter 0 to 10 and print it in one line.

for i in range(11):
    print (i,end='')
```

```
012345678910
```

[5]:
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#4.WAP to calculate the sum of numbers from m to n.
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m=int(input()) #1
n=int(input()) #10
sum=0
for i in range(m,n+1):
    sum+=i
print(sum)
```

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55
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[6]:
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#5.WAP to enter a number and find the sum of it's digits(use while loop)

num=input() #123
sum=0
for i in num:
    sum += int(i)
print(sum)
```

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6
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[13]:
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#6.Accept a number from user and print a countdown from that number to zero.

num = int(input()) #10

for i in range(num,0,-1):
        print(i,end=' ')
```

```
10 9 8 7 6 5 4 3 2 1
```

[14]:
```
#7.Take a string and print all the characters of the string.

ustr=input()
for i  in ustr:
    print(i,end=' ')
```

```
s h u b h a m
```

[15]:
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#8.Declare a tuple of numbers 1 ,2,3,4,5,6,7,8,9 and count total number of even␣
↪and odd numbers.(modulus operator (%))

tuples=(1,2,3,4,5,6,7,8,9)
even=0
odd=0
for i in tuples:
    if i%2==0:
        even+=1
    else:
        odd+=1
print("odd: "+str(odd))
```

```
print("even: "+str(even))
```

```
odd: 5
even: 4
```

[16]:
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#9 list1 = [1452, 11.23, 1+2j, True,  (0, -1), [5, 12]]. Print the data type of each item.

list1=[1452,11.23,1+2j,True,(0,-1),[5,12]]
for i in list1:
    print(type(i))
```

```
<class 'int'>
<class 'float'>
<class 'complex'>
<class 'bool'>
<class 'tuple'>
<class 'list'>
```

[17]:
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#10 Given below dictionary color = {"c1": "Red", "c2": "Green", "c3": "Orange"}. Print all the keys and value of each key.

color={"c1":"Red","c2":"Green","c3":"Orange"}

print(color)
```

```
{'c1': 'Red', 'c2': 'Green', 'c3': 'Orange'}
```