ASSESSMENT 1

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Section B

Ques 31

In [3]:

```
firstname=input("Enter your first name: ")
lastname=input("Enter your last name: ")
print(firstname[::-1],lastname[::-1],end=" ")
```

```
Enter your first name: Derin
Enter your last name: Aldrina
nireD anirdlA
```

Ques 32

In [4]:

```
A=float(input("Enter a floating digit, A: "))
B=float(input("Enter a floating digit, B: "))
print("Sum of A and B: ",A+B)
```

```
Enter a floating digit, A: 12.5
Enter a floating digit, B: 10.7
Sum of A and B:  23.2
```

Ques 33

In [7]:

```
let=input("Enter a character: ")
if((let=='a','e','i','o','u') or (let=='A','E','I','O','U')):
   print("The entered character ",let,"is a vowel")
else:
    print("The entered character ",let,"is not a vowel")
```

```
Enter a character: i
The entered character  i is a vowel
```

Ques 34

In [10]:

```
#a
li=[1,2,3,4,5,6]
print(li)
print("Length: ",len(li))
```

```
[1, 2, 3, 4, 5, 6]
Length:  6
```

In [11]:

```
#b
print("Data Type: ",type(li))
```

```
Data Type:  <class 'list'>
```

Ques 35

In [12]:

```
fruits=("apple","banana","cherry")
print(fruits[0])
```

```
apple
```

Ques 36

In [13]:

```
marks=(90,89,78)
(m1,m2,m3)=marks
print('m1: ',m1)
print('m2: ',m2)
print('m3: ',m3)
```

```
m1:  90
m2:  89
m3:  78
```

Ques 37

In [20]:

```
total=0
numin=int(input("How many numbers to be entered: "))
for i in range(numin):
   numbs=int(input("Enter a number: "))
   total+=numbs
print(total)
```

```
How many numbers to be entered: 5
Enter a number: 1
Enter a number: 2
Enter a number: 3
Enter a number: 4
Enter a number: 5
15
```

Ques 38

In [21]:

```
text="encyclopaedia"
#a
print(text)
print("To UpperCase", text.upper())
#b
print(text.isalnum())
#c
print(text.islower())
#d
print(text.isupper())
```

```
encyclopaedia
To UpperCase ENCYCLOPAEDIA
True
True
False
```

Ques 39

In [24]:

```
for i in range(5):
  name=input("Enter your Name: ")
```

```
Enter your Name: Derin
Enter your Name: Aldrina
Enter your Name: Johan
Enter your Name: Merline
Enter your Name: Sheela
```

Ques 40

In [25]:

```
import array as arr
a=arr.array('i',[1,2,3,4,5,6,7,8,9,10])
print(a)
```

```
array('i', [1, 2, 3, 4, 5, 6, 7, 8, 9, 10])
```

SECTION C

Ques 41

In [36]:

```
inventory={"Apple":15,"Grapes":12,"Banana":35}
#a
print(inventory.get("Banana"))
#b
print(inventory.keys())
#c
print(len(inventory))
#d
print("Grapes" in inventory)
#e
inventory["Apple"]+=20
print(inventory.get("Apple"))
#f
for i in sorted(inventory.keys()) :
    print(i,end=" ")
#g
del inventory['Apple']
print(inventory)
#h
inventory.pop('Pears',"Not found")
#i
inventory['Grapes']=25
print(inventory)
#j
print(inventory.items())
```

```
35
dict_keys(['Apple', 'Grapes', 'Banana'])
3
True
35
Apple Banana Grapes {'Grapes': 12, 'Banana': 35}
{'Grapes': 25, 'Banana': 35}
dict_items([('Grapes', 25), ('Banana', 35)])
```

Ques 42

In [42]:

```
li=[1,3,5,7,8,9,2]
print(li)
#a
li.append(10)
print(li)
#b
li[::-1]
print(li)
li.reverse()
print(li)
#c
li.remove(10)
print(li)
#d
word='ENCYCLOPEDIA'
print('Letter in position 2: ',word[2])
#e
print('Letter in position -4: ',word[-4])
#f
print('CYCLO: ',word[2:7])
#g
print(word[1:5])
```

```
[1, 3, 5, 7, 8, 9, 2]
[1, 3, 5, 7, 8, 9, 2, 10]
[1, 3, 5, 7, 8, 9, 2, 10]
[10, 2, 9, 8, 7, 5, 3, 1]
[2, 9, 8, 7, 5, 3, 1]
Letter in position 2:  C
Letter in position -4:  E
CYCLO:  CYCLO
NCYC
```

In [ ]:

```

```