

LAB - 8

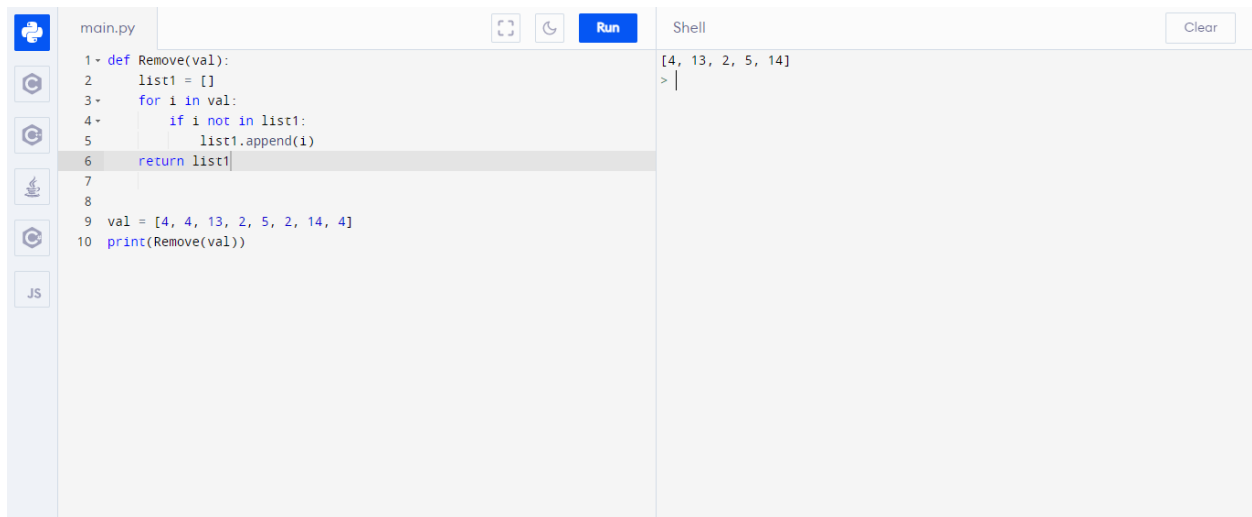
PYTHON PROGRAMMING

Abyson

S9 INT MCA

ROLL NO : 1

1. Write a python program to remove duplicates from a list.

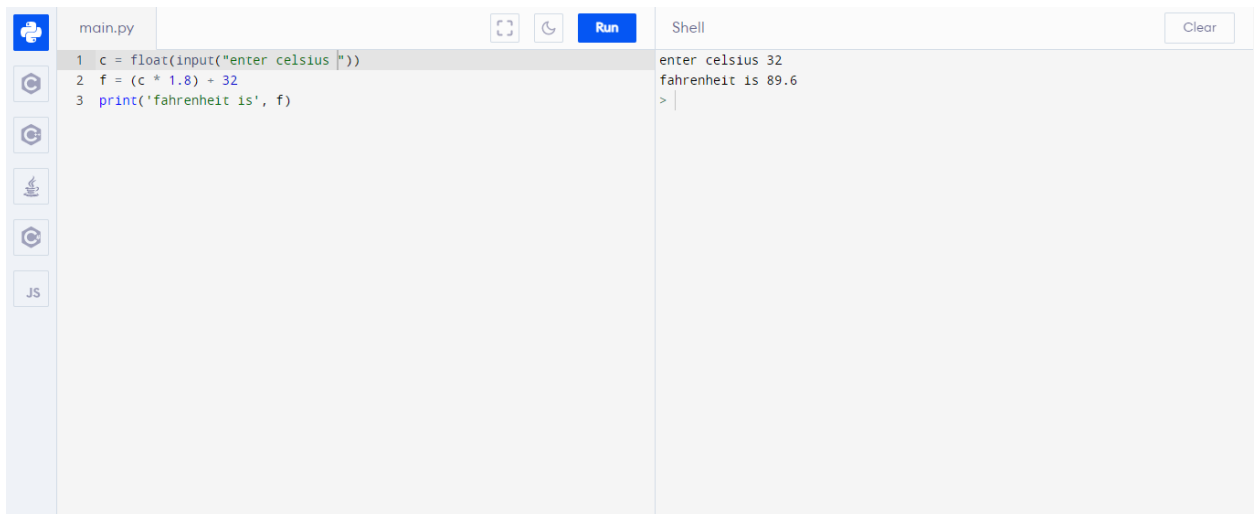


The screenshot shows a Python IDE with a file named 'main.py'. The code defines a function 'Remove(val)' that takes a list 'val' and returns a new list 'list1' containing only the unique elements. The function uses a loop to iterate over each element in 'val' and appends it to 'list1' only if it is not already present. The main program creates a list 'val' with the values [4, 4, 13, 2, 5, 2, 14, 4] and prints the result of the 'Remove(val)' function. The output in the shell is '[4, 13, 2, 5, 14]'.

```
1 - def Remove(val):
2     list1 = []
3     for i in val:
4         if i not in list1:
5             list1.append(i)
6     return list1
7
8
9 val = [4, 4, 13, 2, 5, 2, 14, 4]
10 print(Remove(val))
```

Shell output: [4, 13, 2, 5, 14]

2. Python program to convert the temperature in degree centigrade to Fahrenheit?

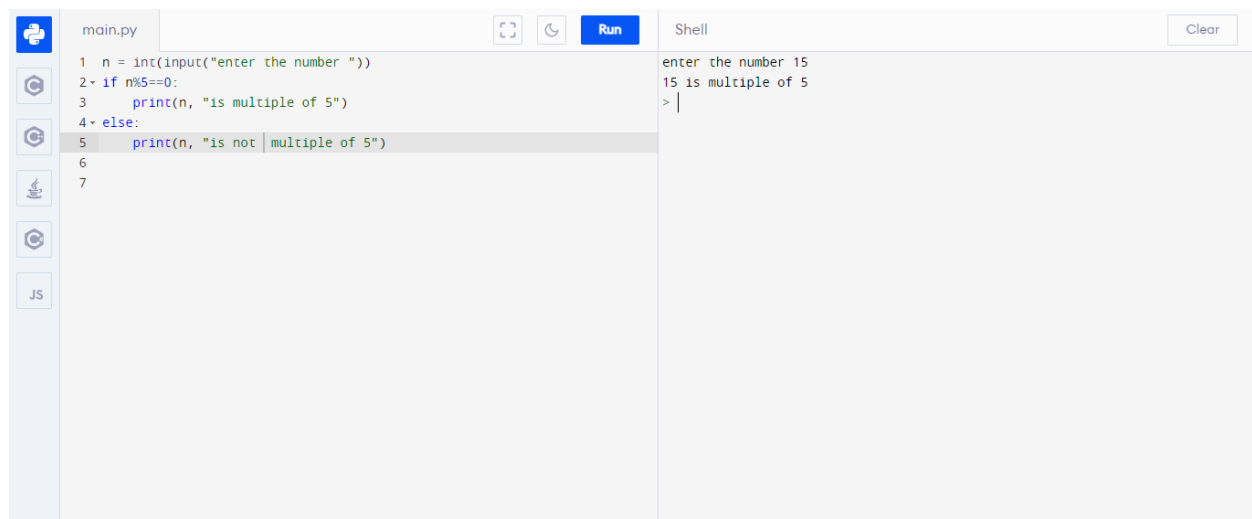


The screenshot shows a Python IDE with a file named 'main.py'. The code prompts the user to enter a temperature in Celsius, converts it to Fahrenheit using the formula $F = (C * 1.8) + 32$, and prints the result. The user enters '32', and the output is 'fahrenheit is 89.6'.

```
1 c = float(input("enter celsius "))
2 f = (c * 1.8) + 32
3 print('fahrenheit is', f)
```

Shell output: enter celsius 32
fahrenheit is 89.6

3. Python program to check whether the given integer is a multiple of 5?



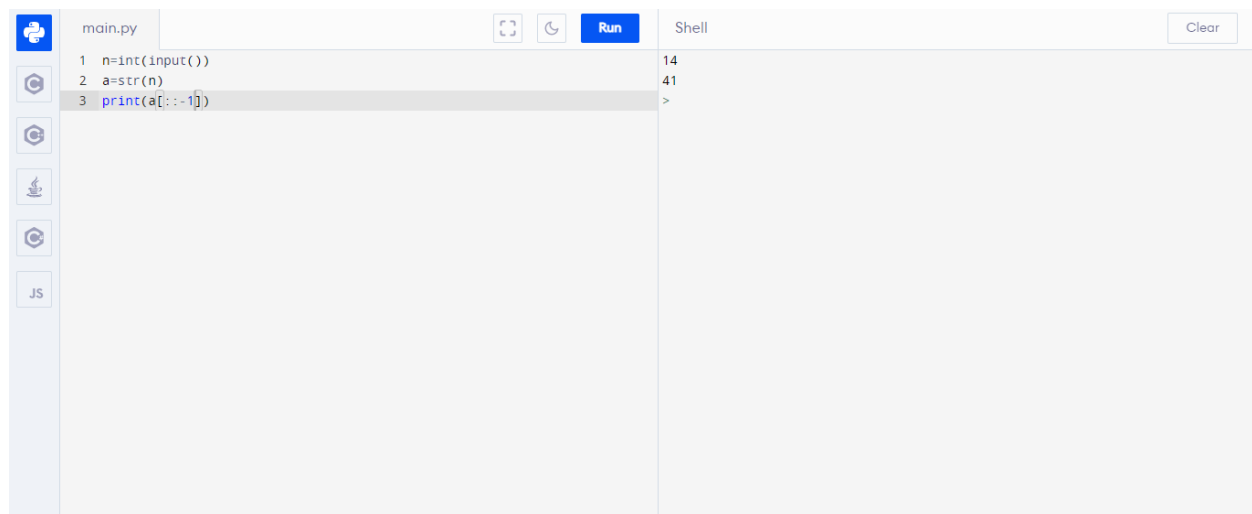
The screenshot shows a Python IDE with a file named 'main.py'. The code in the editor is as follows:

```
1 n = int(input("enter the number "))
2 if n%5==0:
3     print(n, "is multiple of 5")
4 else:
5     print(n, "is not multiple of 5")
6
7
```

The 'Run' button is highlighted. The 'Shell' output pane on the right shows the execution results:

```
enter the number 15
15 is multiple of 5
> |
```

4. Python program to display the given integer in reverse manner?



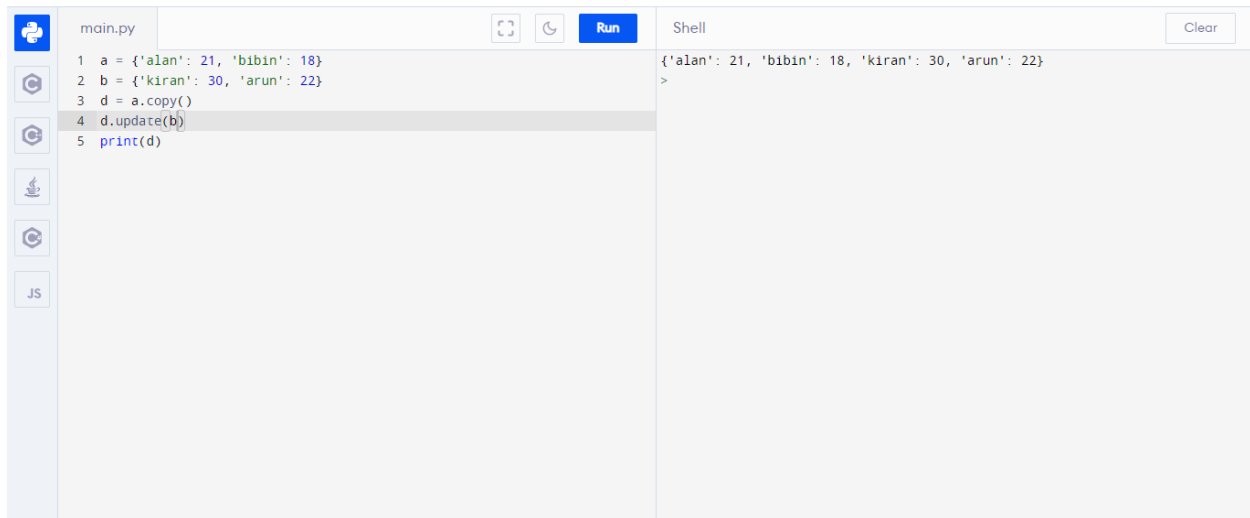
The screenshot shows a Python IDE with a file named 'main.py'. The code in the editor is as follows:

```
1 n=int(input())
2 a=str(n)
3 print(a[::-1])
```

The 'Run' button is highlighted. The 'Shell' output pane on the right shows the execution results for two inputs:

```
14
41
>
```

5. Write a python script to merge two python dictionaries.?



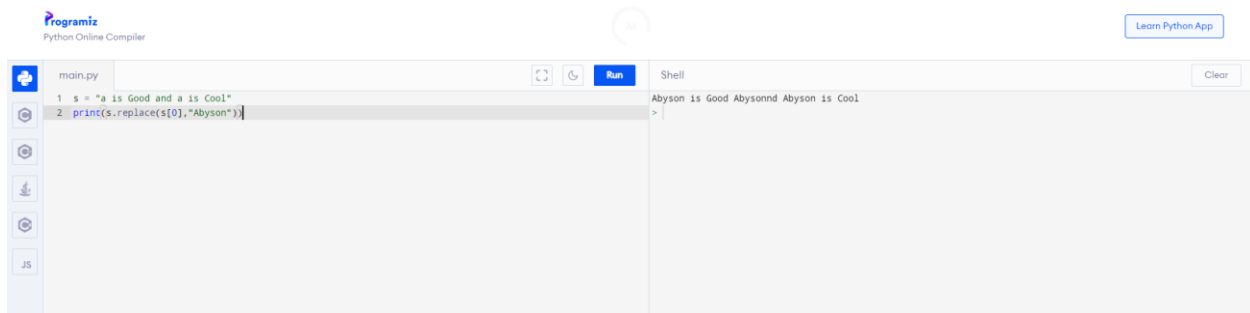
The screenshot shows a Python IDE with a file named 'main.py'. The code in the editor is as follows:

```
1 a = {'alan': 21, 'bibin': 18}
2 b = {'kiran': 30, 'arun': 22}
3 d = a.copy()
4 d.update(b)
5 print(d)
```

The 'Run' button is highlighted. The output in the 'Shell' pane is:

```
{'alan': 21, 'bibin': 18, 'kiran': 30, 'arun': 22}
>
```

6. Write a program to replace all the occurrences of a substring by a new string.?



The screenshot shows a Python IDE with a file named 'main.py'. The code in the editor is as follows:

```
1 s = "a is Good and a is Cool"
2 print(s.replace(s[0], "Abyson"))
```

The 'Run' button is highlighted. The output in the 'Shell' pane is:

```
Abyson is Good Abysonnd Abyson is Cool
>
```