

11. Write a Python function that checks whether a passed string is palindrome or not

```
print("Enter the string")
```

```
s=str(input())
```

```
l=0;
```

```
k=0;
```

```
r=len(s)-1
```

```
while(l<r):
```

```
    if(s[l]!=s[r]):
```

```
        k=1
```

```
    l=l+1
```

```
    r=r-1
```

```
if(k==1):
```

```
    print("not pallindrome")
```

```
else:
```

```
    print("its pallindrome")
```

The screenshot shows a web browser window with the URL `programiz.com/python-programming/online-compiler/`. The page features a dark-themed interface for the Programiz Python Online Compiler. On the left, a file explorer shows `main.py`. The main editor contains the following Python code:

```
1 print("Enter the string")
2 s=str(input())
3 l=0;
4 k=0;
5 r=len(s)-1
6 while(l<r):
7     if(s[l]!=s[r]):
8         k=1
9     l=l+1
10    r=r-1
11 if(k==1):
12     print("not pallindrome")
13 else:
14     print("its pallindrome")
15
```

On the right, the 'Shell' output area shows the execution results:

```
Enter the string
madam
its pallindrome
>
```

The bottom of the image shows a Windows taskbar with the date and time set to 14:27 on 31-01-2023, and the weather as 29°C Haze.

13. ordering the string

```
s="Twinkle, twinkle, little star, How I wonder what you are! Up
```

```
above the world so high, Like a diamond in the sky. Twinkle, twinkle, little star,
```

```
How I
```

```
wonder what you are"
```

```
print(s)
```

```
print("\n")
```

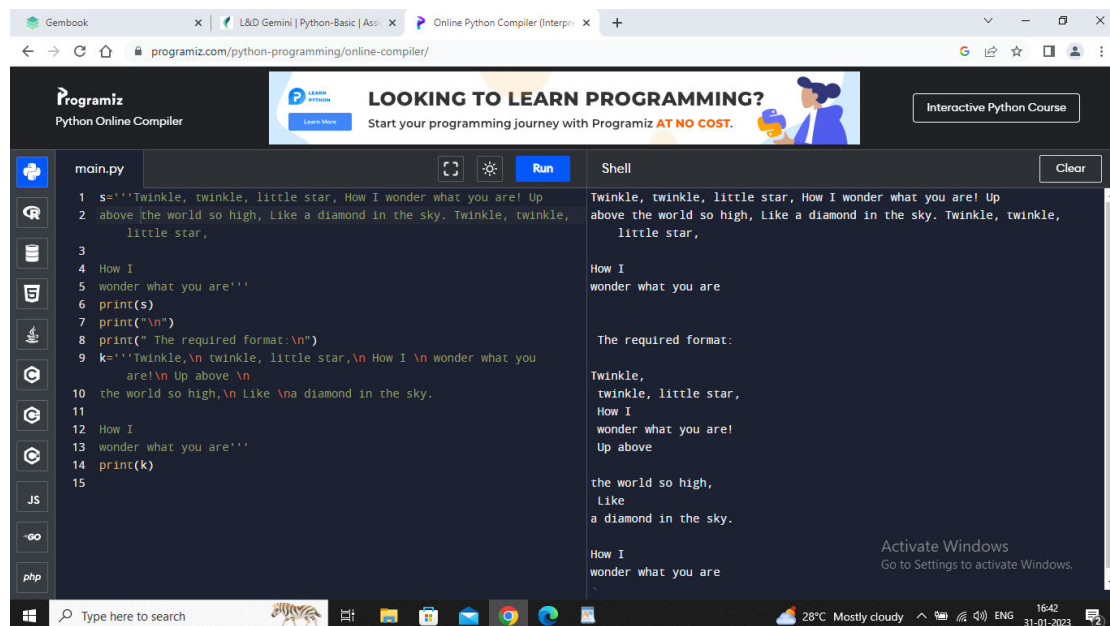
```
print(" The required format:\n")
```

```
k="Twinkle,\n twinkle, little star,\n How I \n wonder what you are!\n Up above \n
```

```
the world so high,\n Like \na diamond in the sky.How I
```

```
wonder what you are"
```

```
print(k)
```



The screenshot shows a web browser window with the URL `programiz.com/python-programming/online-compiler/`. The page features a dark-themed interface for the Programiz Python Online Compiler. On the left, there is a sidebar with icons for various programming languages (Python, JS, PHP, etc.). The main area is divided into two panels: a code editor on the left and a shell/output window on the right. The code editor contains a Python script named `main.py` with 15 lines of code. The shell window shows the output of the program, which is a poem about a little star. The output is formatted with line breaks and indentation, matching the code's structure. The browser's address bar and tabs are visible at the top, and the Windows taskbar is at the bottom.

```
main.py
1 s='Twinkle, twinkle, little star, How I wonder what you are! Up
2 above the world so high, Like a diamond in the sky. Twinkle, twinkle,
   little star,
3
4 How I
5 wonder what you are'
6 print(s)
7 print("\n")
8 print(" The required format:\n")
9 k='Twinkle,\n twinkle, little star,\n How I \n wonder what you
   are!\n Up above \n
10 the world so high,\n Like \na diamond in the sky.
11
12 How I
13 wonder what you are'
14 print(k)
15
```

Shell

```
Twinkle, twinkle, little star, How I wonder what you are! Up
above the world so high, Like a diamond in the sky. Twinkle, twinkle,
little star,

How I
wonder what you are

The required format:

Twinkle,
twinkle, little star,
How I
wonder what you are!
Up above

the world so high,
Like
a diamond in the sky.

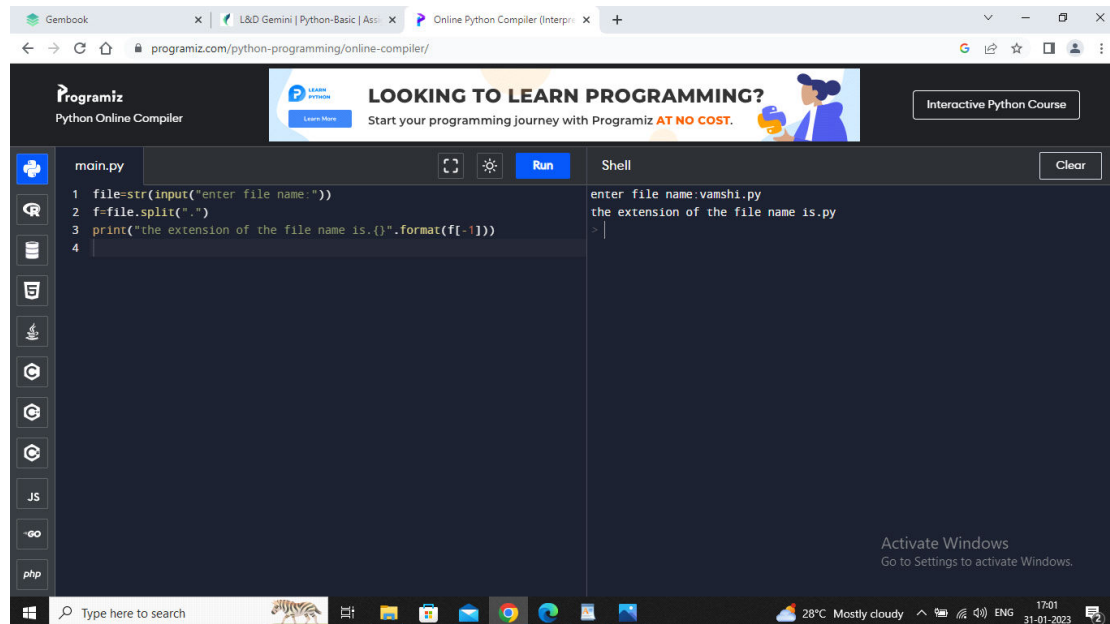
How I
wonder what you are
```

14. Write a Python program to accept a filename from the user and print the extension of that.

```
file=str(input("enter file name:"))
```

```
f=file.split(".")
```

```
print("the extension of the file name is.{}".format(f[-1]))
```



15. Write a Python program that accepts an integer (n) and computes the value of

$n+nn+nnn$

Sample value of n is 5

```
n=int(input())
```

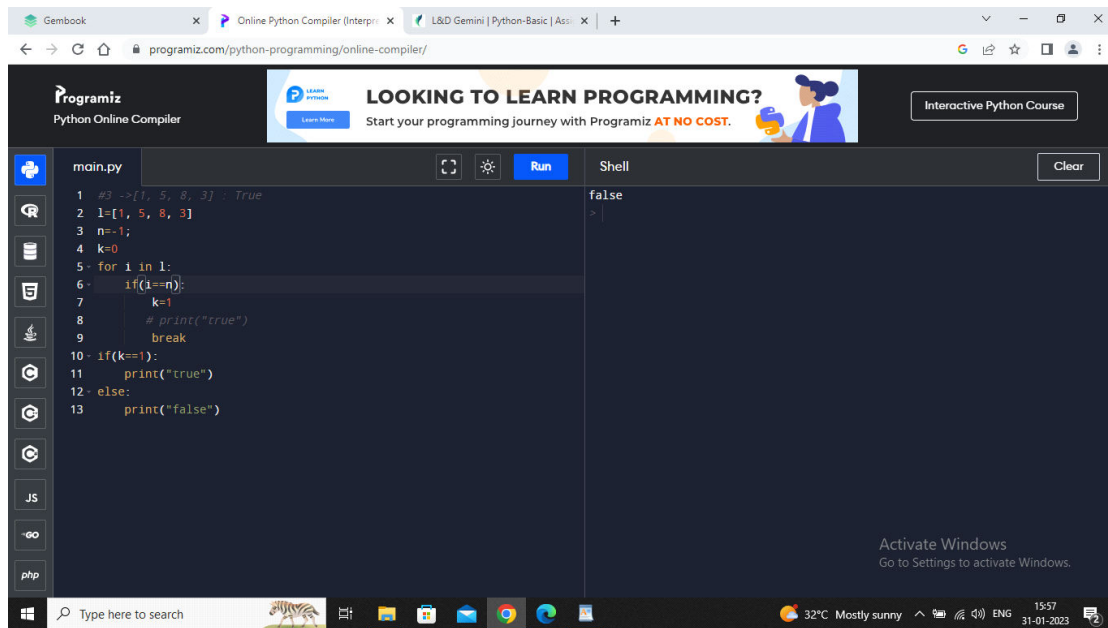
```
h=str(n)
```

```
t=h+h
```

```
t2=h+h+h
```

```
sum=n+int(t)+int(t2)
```

```
print("the value {} of n+nn+nnn = {}".format(n,sum))
```



16. Write a Python program to check whether a specified value is contained in a group of values.

```
l=[1, 5, 8, 3]
```

```
n=3;
```

```
k=0
```

```
for i in l:
```

```
    if(i==n):
```

```
        k=1
```

```
        # print("true")
```

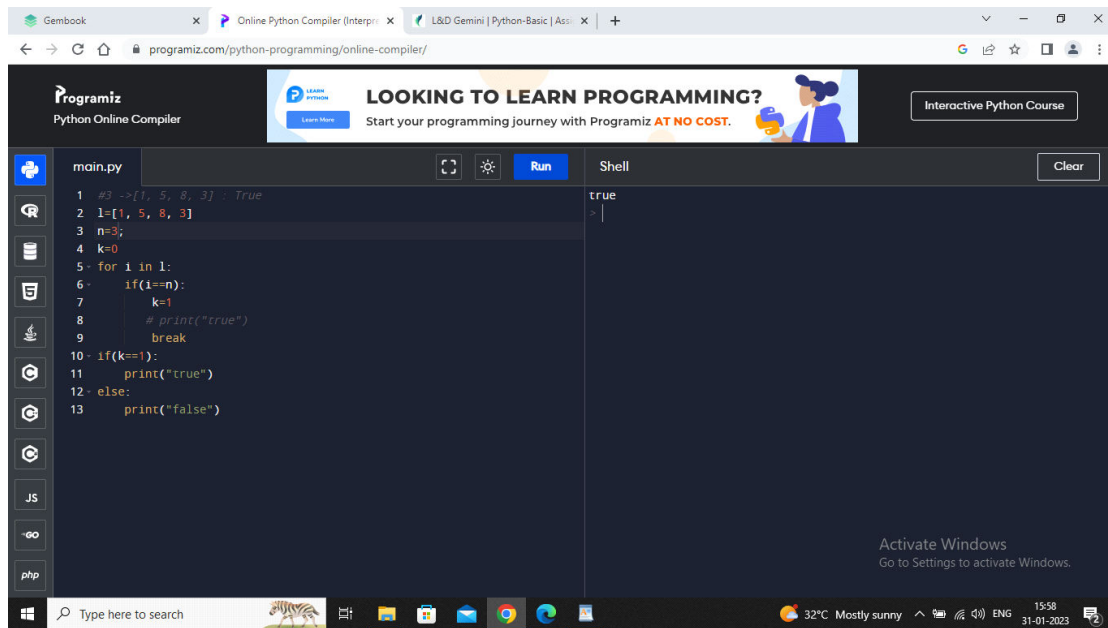
```
        break
```

```
if(k==1):
```

```
    print("true")
```

```
else:
```

```
    print("false")
```



17. Write a Python program to print all even numbers from a given numbers list in the same order and stop the printing if any numbers that come after 237 in the sequence.

```
numbers= [386,462, 47, 418, 907, 344, 236, 375, 823, 566, 597, 978, 328, 615, 953, 345, 399, 162, 758, 219, 918, 237, 412, 566, 826, 248, 866, 950, 626, 949, 687,217,815, 67, 104, 58, 512, 24,892, 894, 767, 553, 81, 379, 843, 831, 445, 742, 717,958,743, 527]
```

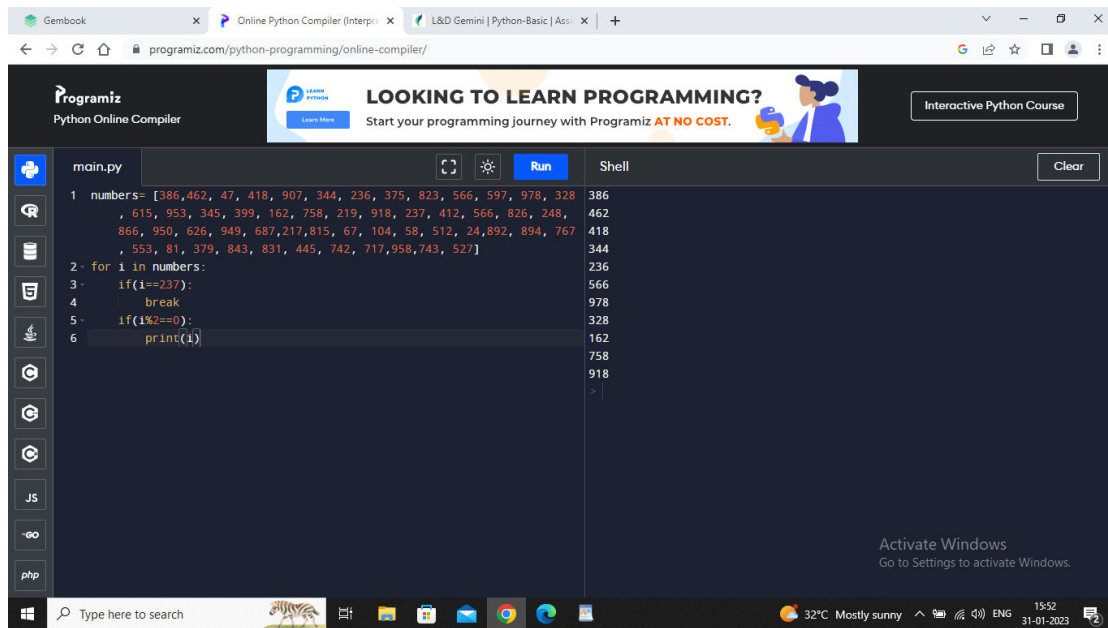
```
for i in numbers:
```

```
    if(i==237):
```

```
        break
```

```
    if(i%2==0):
```

```
        print(i)
```



18. Write a Python program that will return true if the two given integer values are equal or their sum or difference is 5.

```
print("enter first num")
```

```
n=int(input())
```

```
print("enter second num")
```

```
n2=int(input())
```

```
if(n==n2 or n+n2==5 or n-n2==5):
```

```
    print("true")
```

```
else:
```

```
    print("false")
```

```
main.py
1 print("enter first num")
2 n=int(input())
3 print("enter second num")
4 n2=int(input())
5 if(n==n2 or n-n2==5 or n-n2==5):
6     print("true")
7 else:
8     print("false")
```

```
Shell
enter first num
5
enter second num
0
true
>
```

19. Write a Python program to display your details like name, age, address in three different lines

name="Vamshi"

age=21

address="Hyderabad,Karimnagar,Telanagana"

print("Name: {}\nAge: {}\nAddress: {}".format(name, age, address))

```
main.py
1 name="Vamshi"
2 age=21
3 address="Hyderabad,Karimnagar,Telanagana"
4 print("Name: {}\nAge: {}\nAddress: {}".format(name, age, address))
5
```

```
Shell
Name: Vamshi
Age: 21
Address: Hyderabad,Karimnagar,Telanagana
>
```

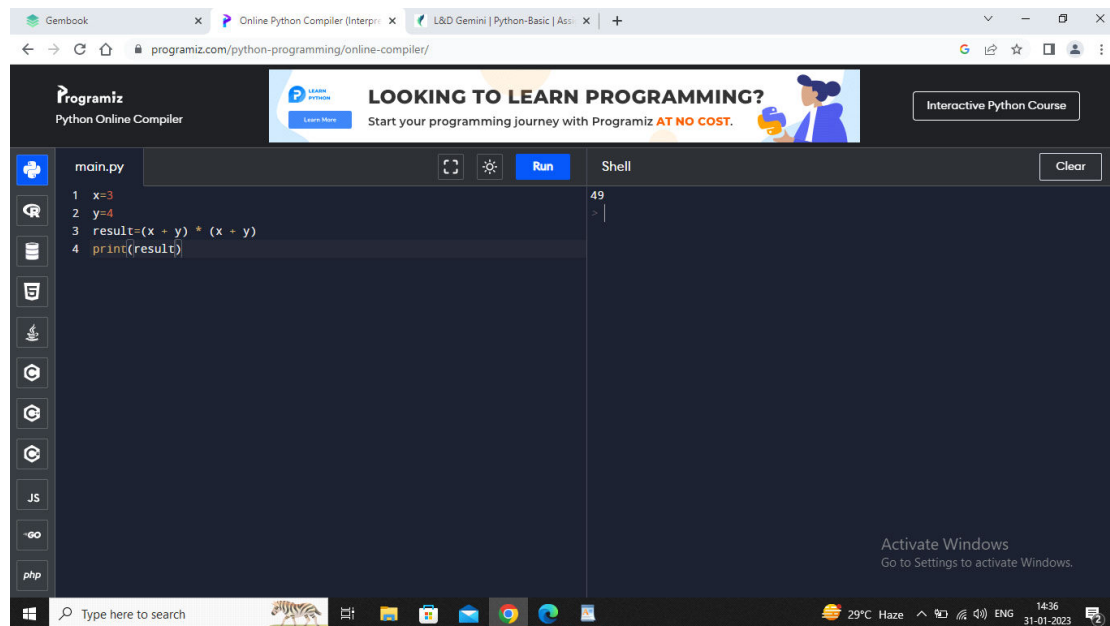
20. Write a Python program to solve $(x + y) * (x + y)$.

`x=3`

`y=4`

`result=(x + y) * (x + y)`

`print(result)`



21. Write a Python program to print out a set containing all the colors from `color_list_1` which are not present in `color_list_2`.

code:

`color_list_1= set(["White", "Black", "Red"])`

`color_list_2= set(["Red", "Green"])`

`for i in color_list_1:`

`if i not in color_list_2:`

`print(i)`

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Learn python

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main.py

Run

Shell

Clear

```
1 color_list_1= set(["White", "Black", "Red"])
2
3 color_list_2= set(["Red", "Green"])
4 for i in color_list_1:
5     if i not in color_list_2:
6         print(i)
7
```

White

Black

>

Activate Windows

Go to Settings to activate Windows.

Type here to search

31°C Partly sunny

17:09

31-01-2023