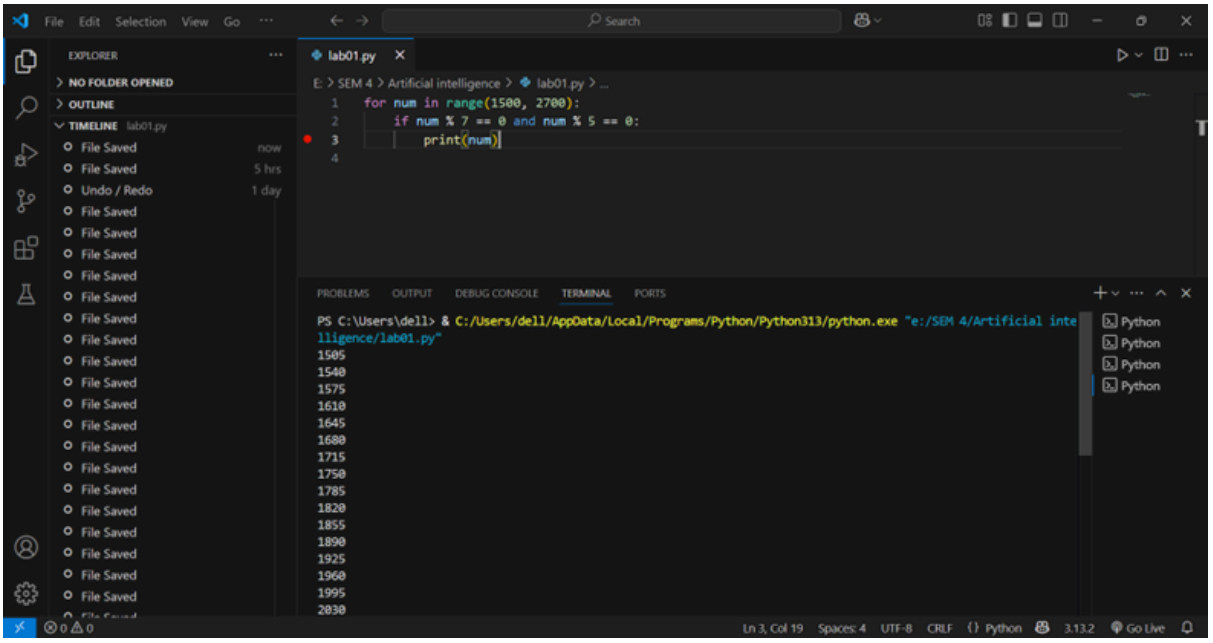
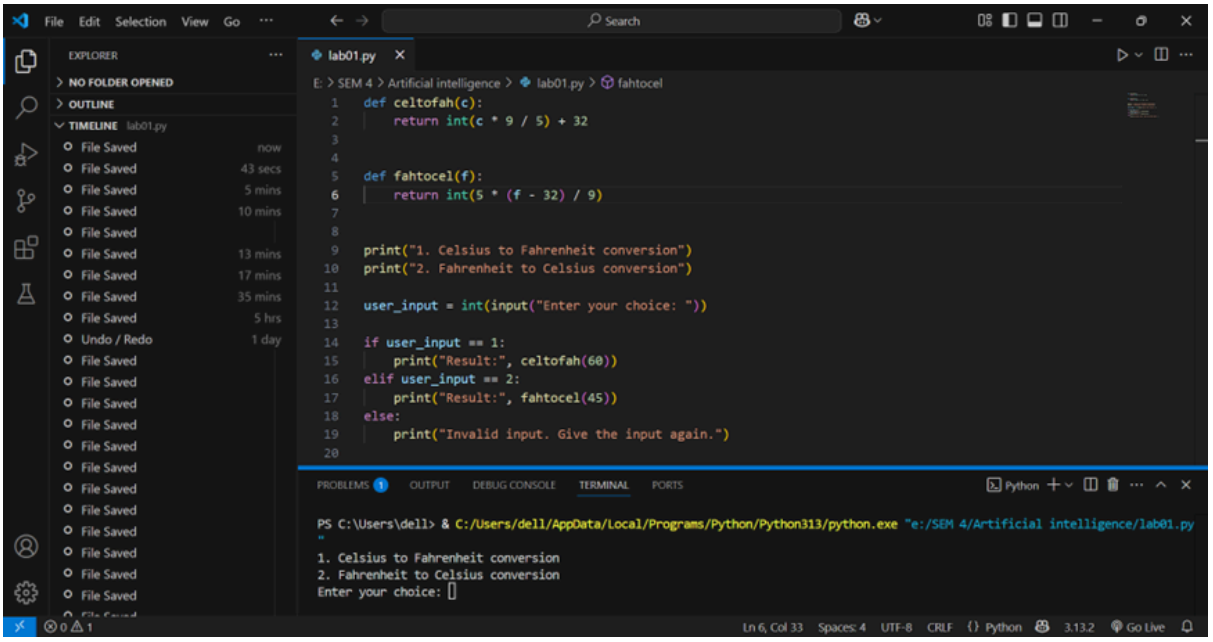
Question no 1:
Write a python program to find those numbers which are divisible by 7 and are multiple of 5,between 1500 and 2700(both included)

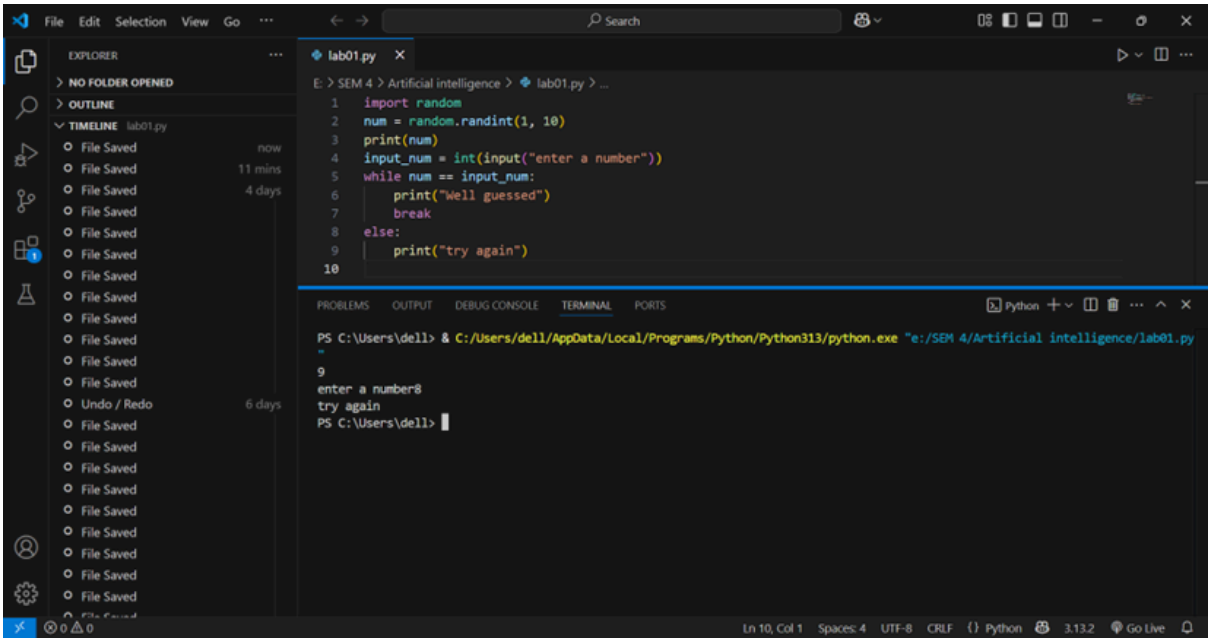


Question no:2
Write a python program to convert temperature to and from celsius and fahrenheit.
[Formula:c/5=f-32/9 where c=temperature in Celsius and f=temperature in Fahrenheit]
Expected Output:
60 degree celsius is 140 in fahrenheit 45 degree fahrenheit is 7 in celsius



Question no:3

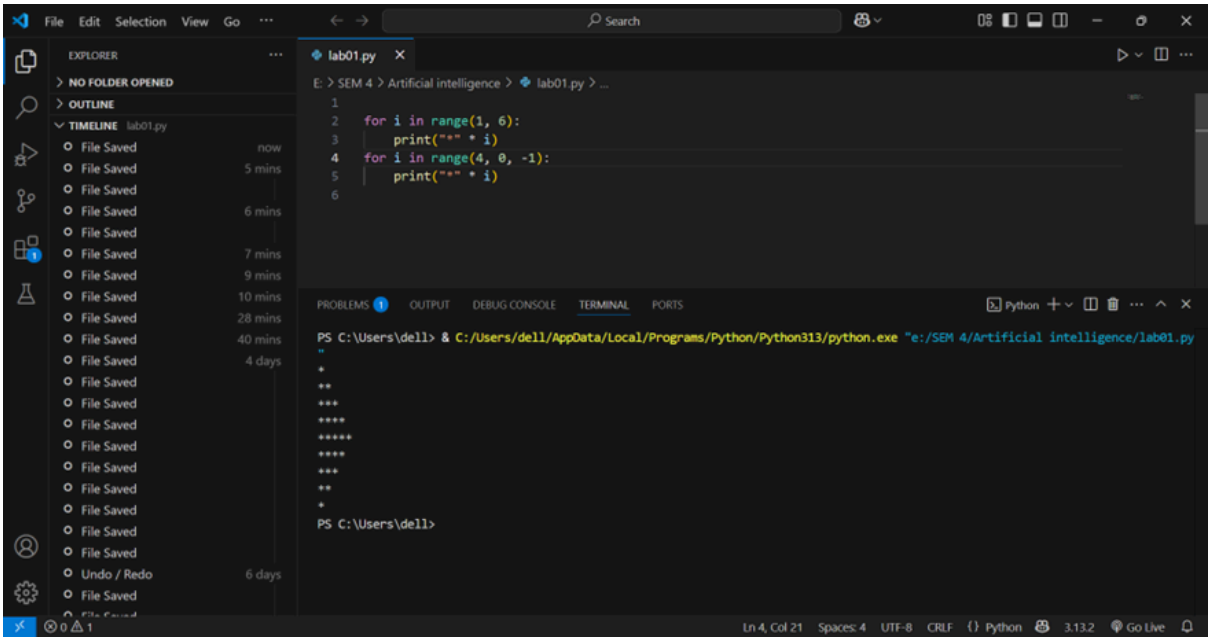
Write a pythin program to guess a number between 1 to 9.Note:User is promoted to enter a guess.If the user wrong then the prompt appears again until the guess is correct,on successful guess,user will a “Well guessed!”message,and the program will exit.



Question no:4

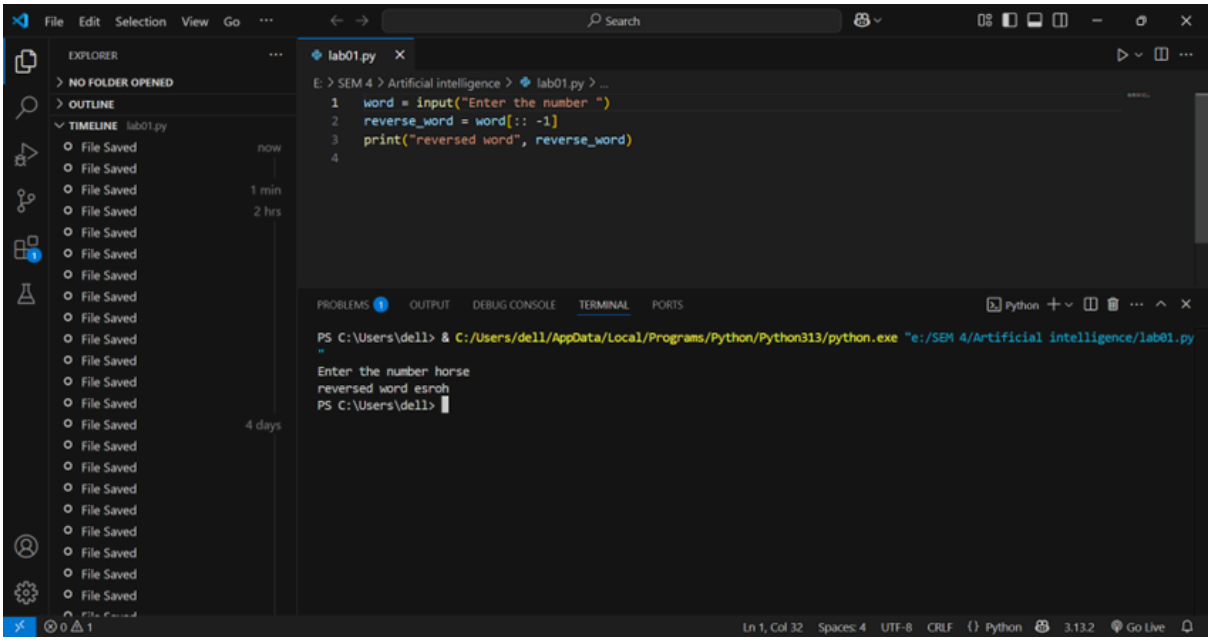
Write a python program to construct the following pattern,using a nested for loop.

```
*
* *
* * *
* * * *
* * * * *
* * * *
* * *
* *
*
```



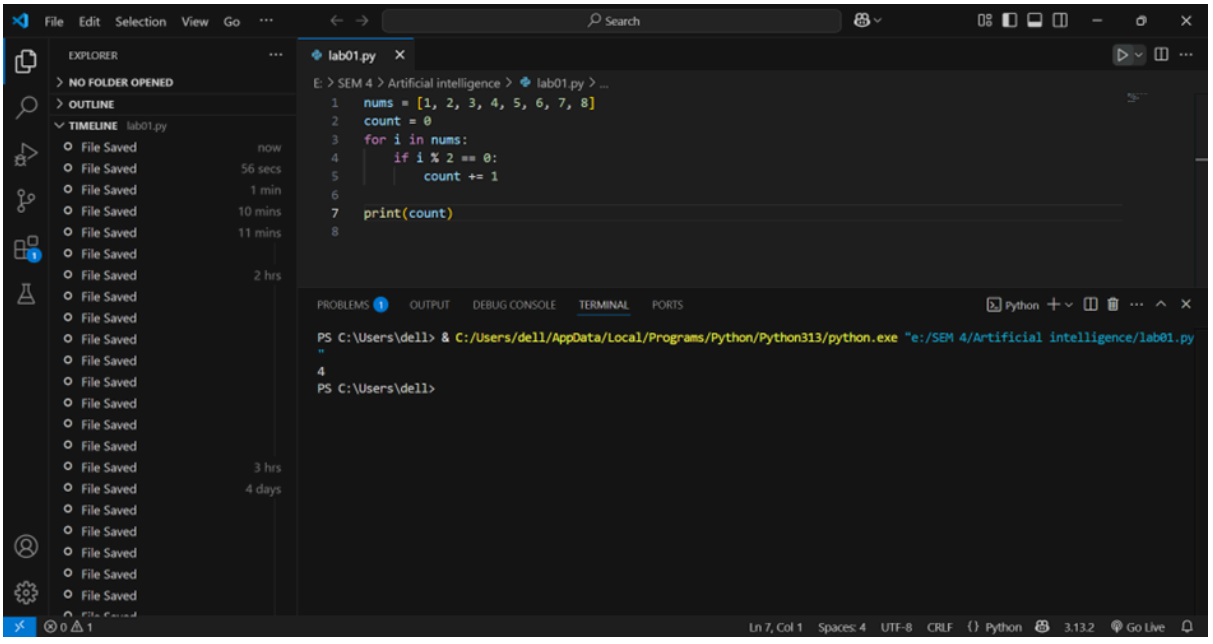
Question no:5

Write a python program that accepts a word from user and reverse it.



Question no:6

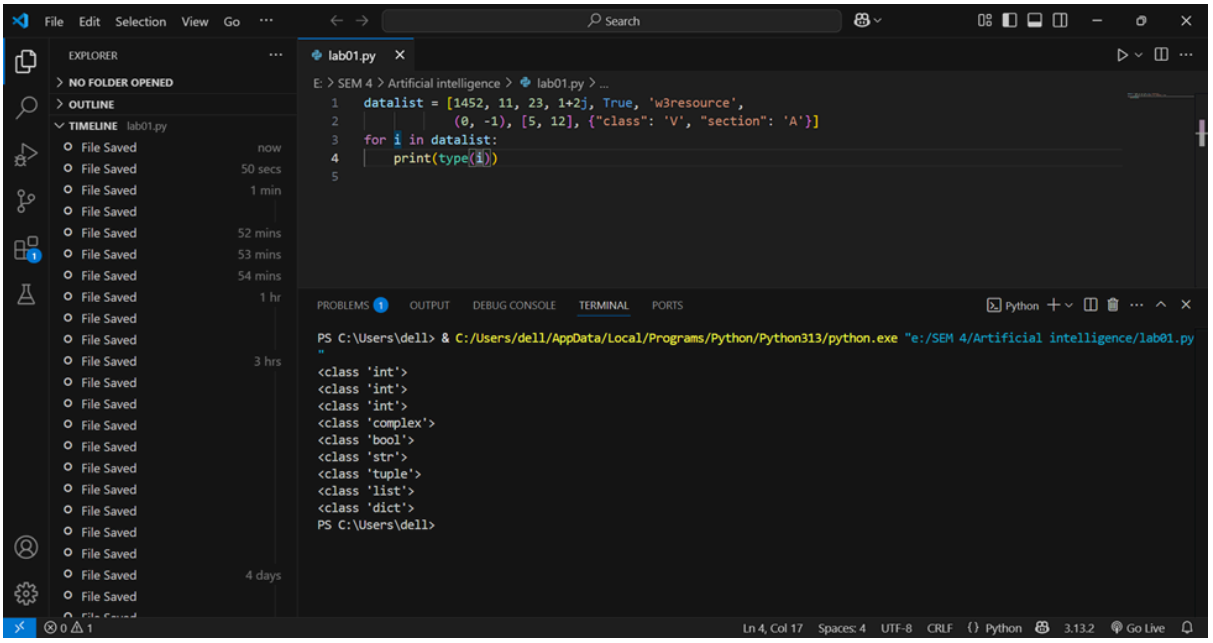
Write a python program to count the number of even and odd numbers from a series of numbers.



Question no:7

Write a python program that prints each item and its corresponding type from the following list.

Sample List:[1452,11.23,1+2j,True,’w3resource’,(0,-1),[5,12], {“class:’V’,”Section”:’A’}]

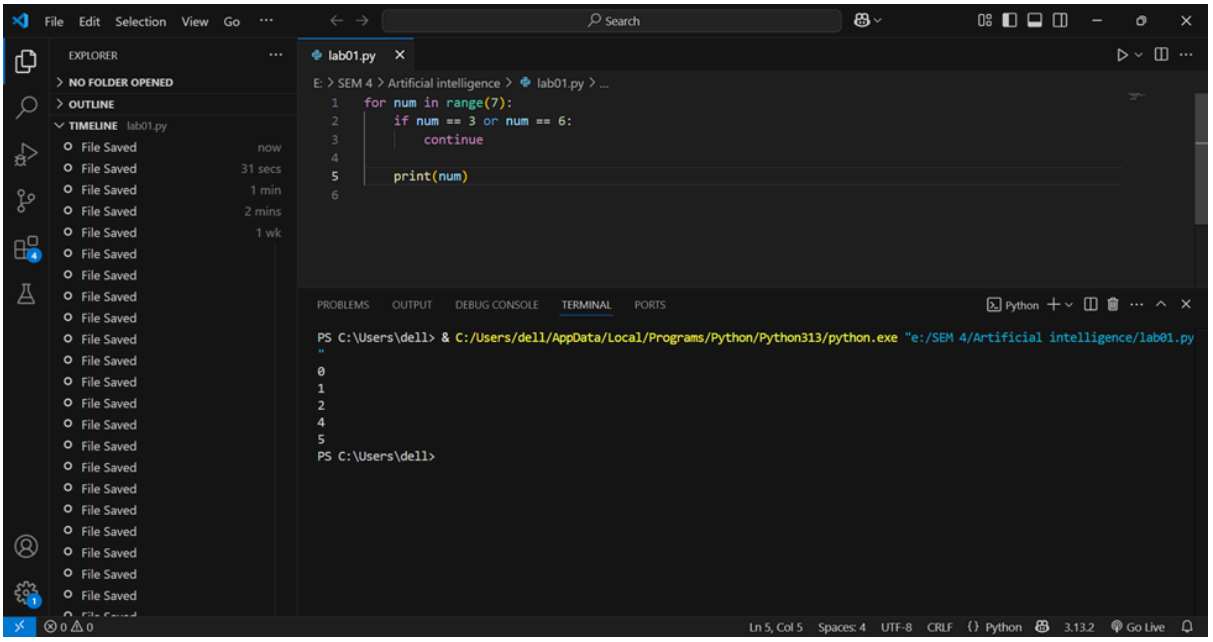


Question no:8

Write a python program that prints all the numbers from 0 to 6 except 3 and 6.

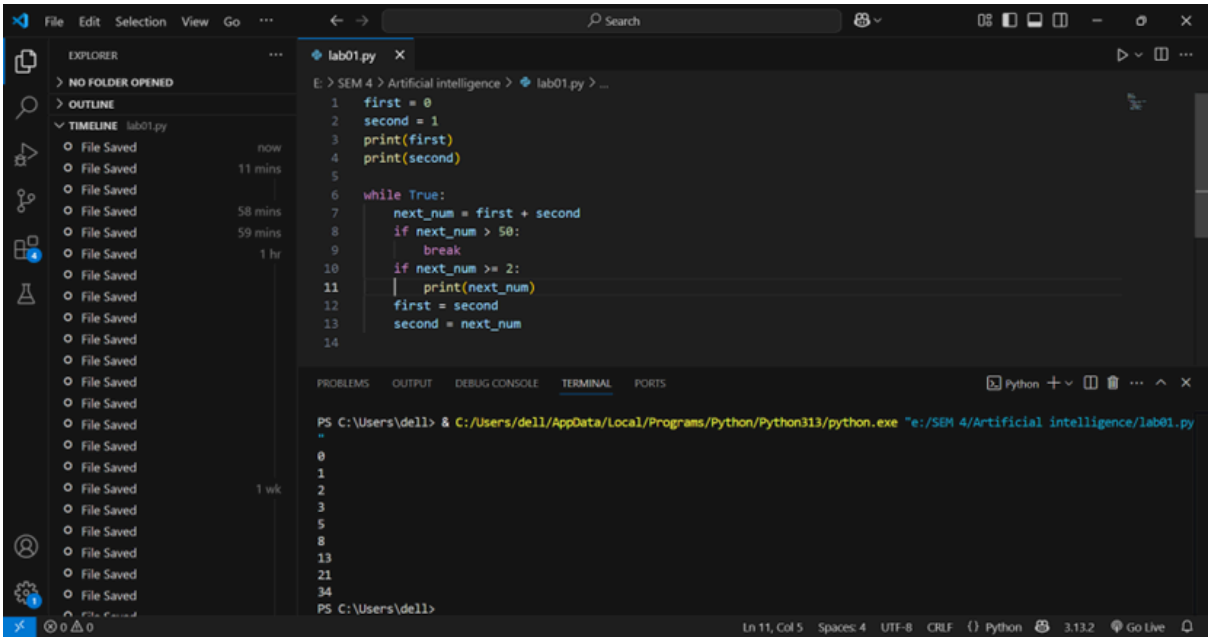
Note: Use ‘continue’statement

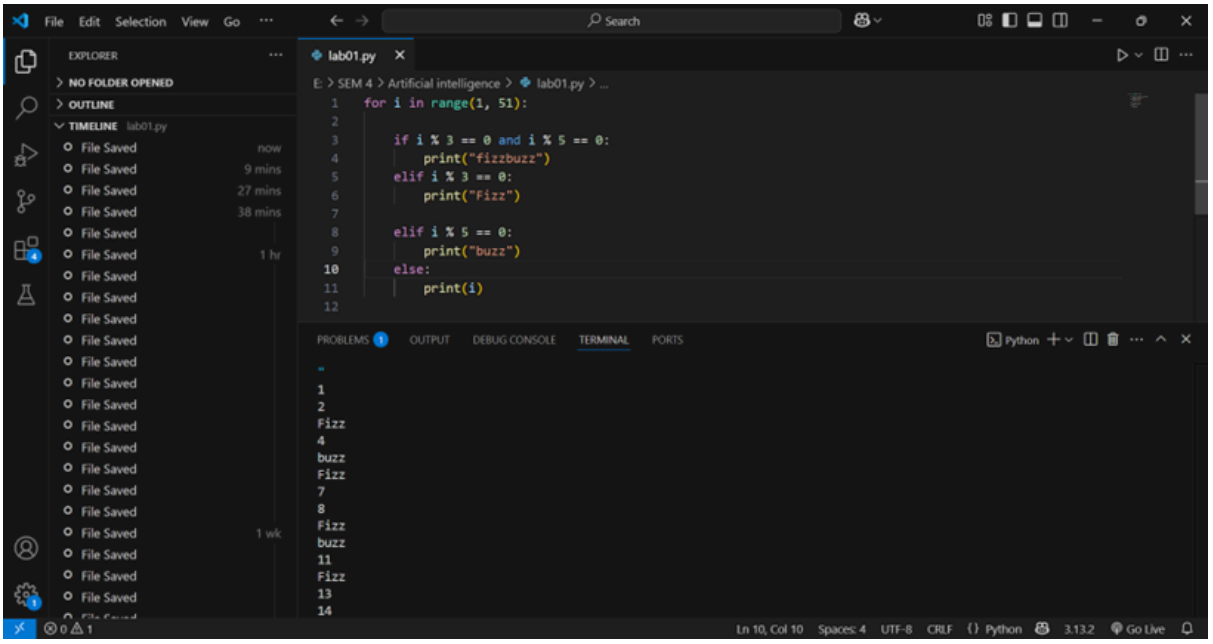
Expected output: 0 1 2 4 5



Question no:9

Write a python program to get the Fibonacci series between 0 to 50.



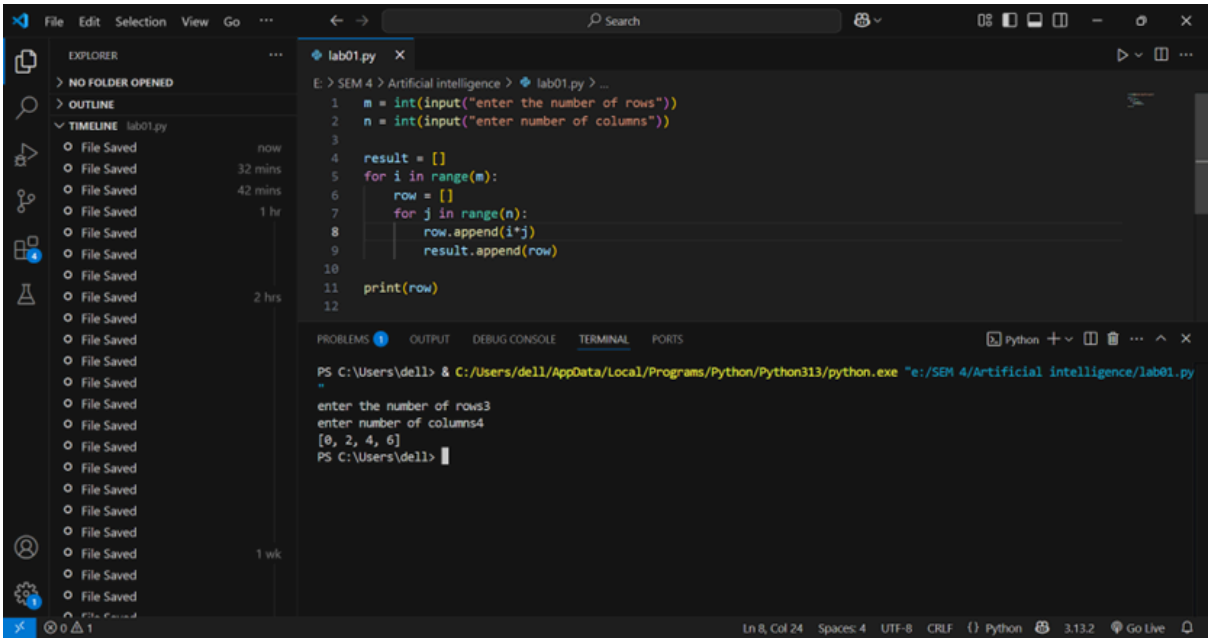


Question no: 10

Write a python program which takes two digits m(row) and n(columns) as input and generates a two dimensional array.The element value in the i-th row and j-th column of the array should be i*j.

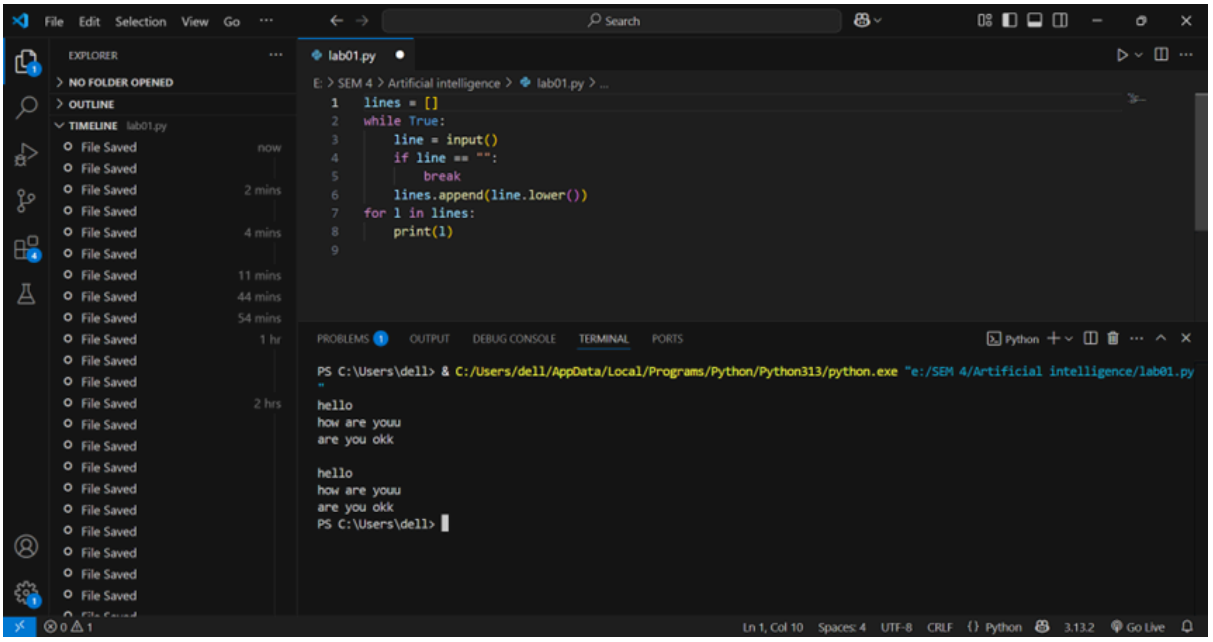
Note:

i=0,1,..,m-1
j=0,1,..,n-1
Test Data:Rows=3,Columns=4
Expected output:[[0,0,0,0],[0,1,2,3],[0,2,4,6]]



Question no:11

Write a python program that accepts a sequence of lines (blank line to terminate)
As input and prints the lines as output(all characters in lower case)

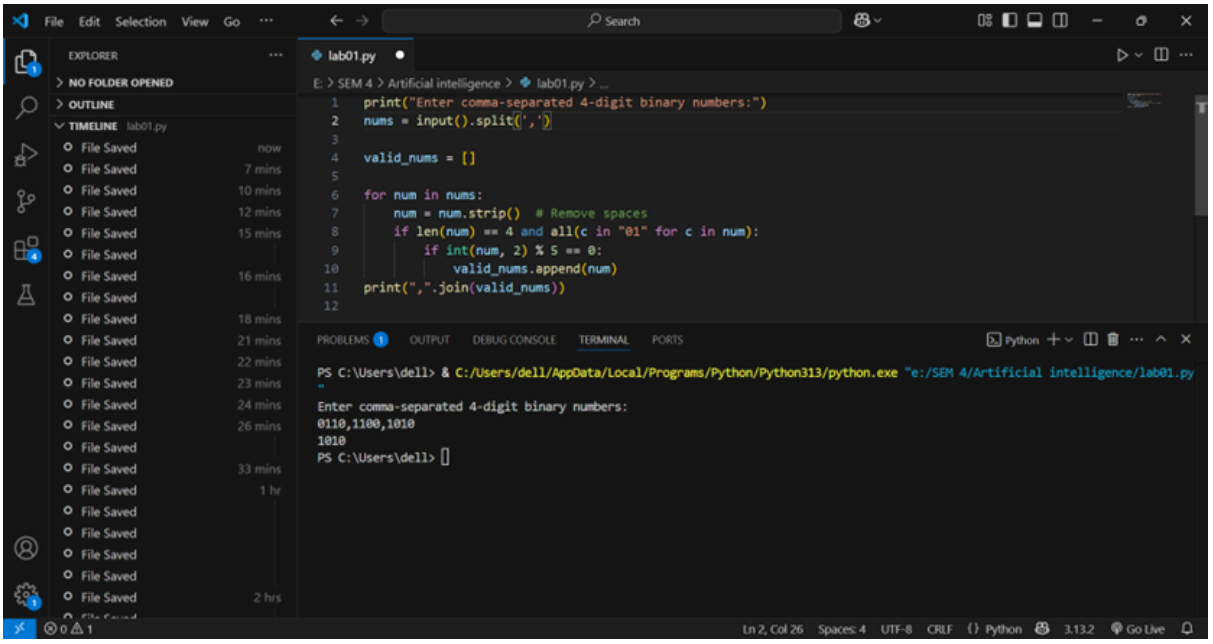


Question no:12

Write a python program which accepts a sequence of comma separated 4 digit binary numbers as its input and print the numbers that are divisible by 5 in a comma separated sequence.

Sample data:0100,0011,1010,1001,1100,1001

Expected Output:1010



Question no:13

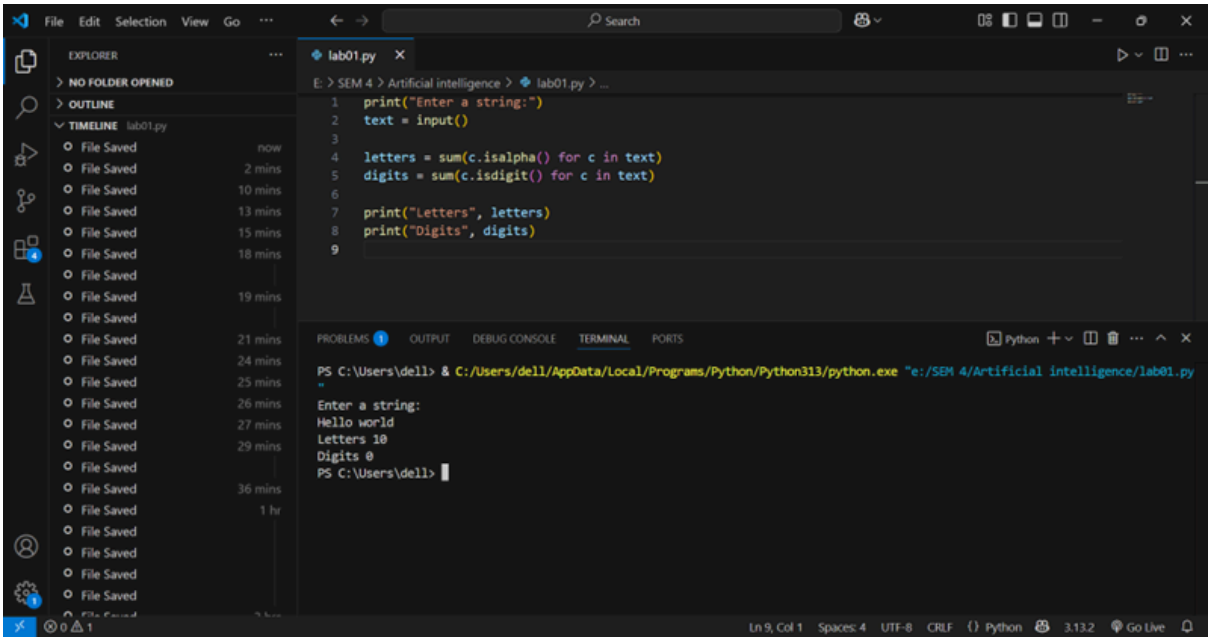
Write a python program that accepts a string and calculate the number of digits and letters.

Sample data: Python 3.2

Expected Output:

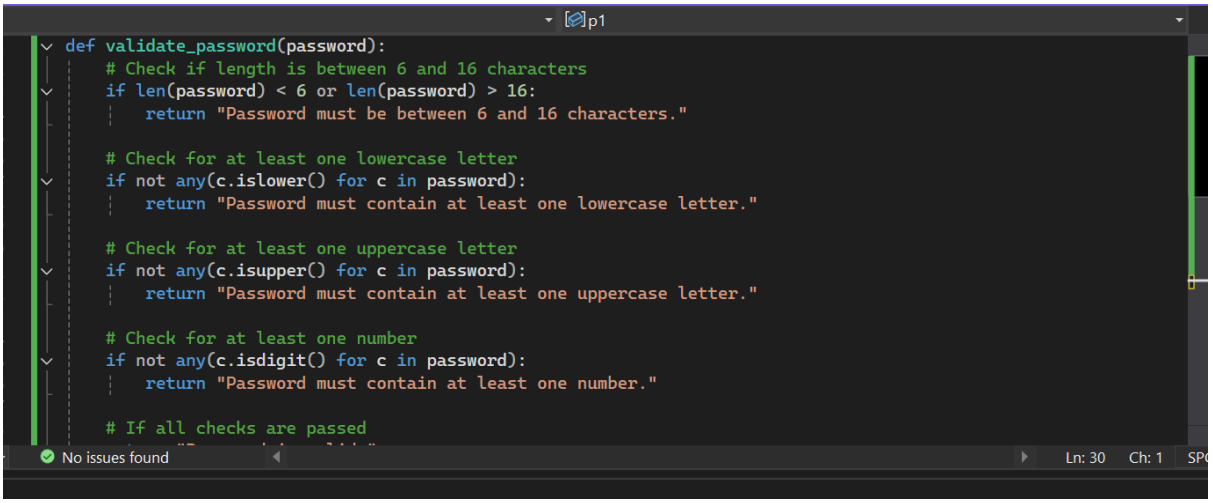
Letters 6

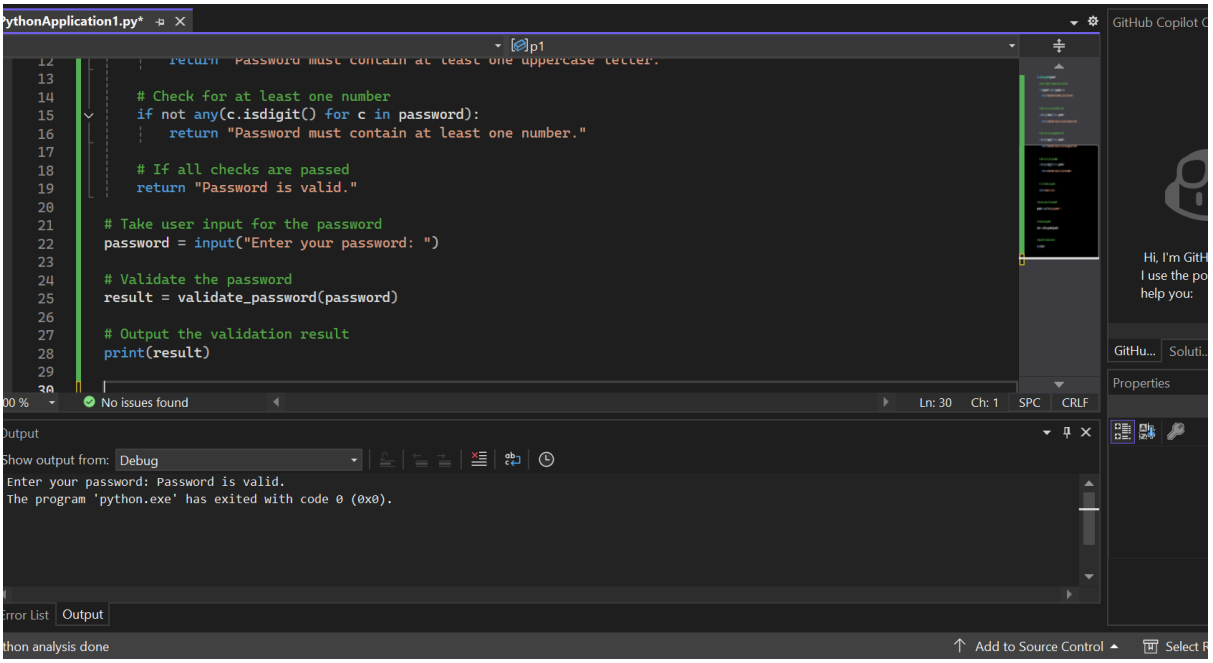
Digits 2



Question no:14

Write a python program to check the validity of password input by users.Validation:
At least 1 letter between[a-z] and 1 letter between[A-Z]
At least 1 number between[0-9]
Minimum length 6 characters
Maximum length 16 characters


p1
def validate_password(password):
# Check if length is between 6 and 16 characters
if len(password) < 6 or len(password) > 16:
return "Password must be between 6 and 16 characters."
# Check for at least one lowercase letter
if not any(c.islower() for c in password):
return "Password must contain at least one lowercase letter."
# Check for at least one uppercase letter
if not any(c.isupper() for c in password):
return "Password must contain at least one uppercase letter."
# Check for at least one number
if not any(c.isdigit() for c in password):
return "Password must contain at least one number."
If all checks are passed
No issues found
Ln: 30
Ch: 1


pythonApplication1.py*
p1
# Check for at least one number
if not any(c.isdigit() for c in password):
return "Password must contain at least one number."
If all checks are passed
return "Password is valid."
# Take user input for the password
password = input("Enter your password: ")
# Validate the password
result = validate_password(password)
# Output the validation result
print(result)
No issues found
Ln: 30
Ch: 1
SPC
CRLF
Output
Show output from: Debug
Enter your password: Password is valid.
The program 'python.exe' has exited with code 0 (0x0).
Error List
Output
Python analysis done
Add to Source Control
GitHub Copilot
Properties