Escape Sequences :

special character combinations that are used to represent characters that are otherwise difficult or impossible to include directly in a string.

- \b | \'
  \f | \t
  \n | \"
  \r | \\

```
s = " hello world "
print (" hello's world ")
```

O/P: hello's world

\\ : Backslash

\' : Single Quote

\" : Double Quote

\n : Newline (line break)

\t : Tab

\r : Carriage Return (used for some text file formats)

\b : Backspace (moves the cursor back one space)

\f : Form Feed (used for some text file formats)

\v : vertical Tab (rarely used)

Vowel Counter :-

write a Program to counts the number of vowels (A,E,I,O,U)

Sample I/P : "Hello, world!"

O/P : Number of vowels : 3

Code :-

```
S = input()
S2 = S.lower()
a = S2.count('a')
e = S2.count('e')
i = ,, ,,  ('i')
o = ,, ,,  ('o')
u = ,, ,,  ('u')
print(f"Number of vowels : {a+e+i+o+u}")
```

O/P :- vowels : 3

Grade Calculator :-

Create a Program to takes the marks of a Stude
and calculate their marks.

I/P :- Marks in Maths : 85
Marks in science : 90
Marks in English : 78

O/P :- Total Marks : 253
Average Marks : 34.33
Grade : B

Code :-

```
m = int (input (" Marks in Maths : "))
s = int (input (" Marks in science : "))
e = int (input (" Marks in English : "))

total_marks = m+e+s
average = total_marks /3
Percentage = (total_marks /300) * 100
grade = " "
if Percentage >90 :
    grade = " A"
elif percentage > 80 and Percentag <= 90 :
    grade = " B"
elif percentage > 70 and Percentag <= 80 :
    grade = " C"
else :
    grade = " P"
```

O/P :- Total marks : 253
Avg Marks : 34.33
Grade : B