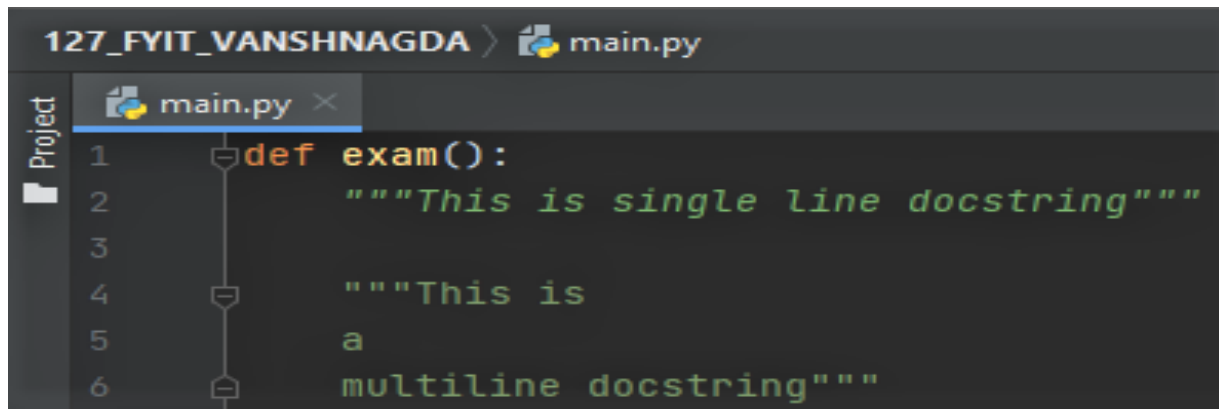


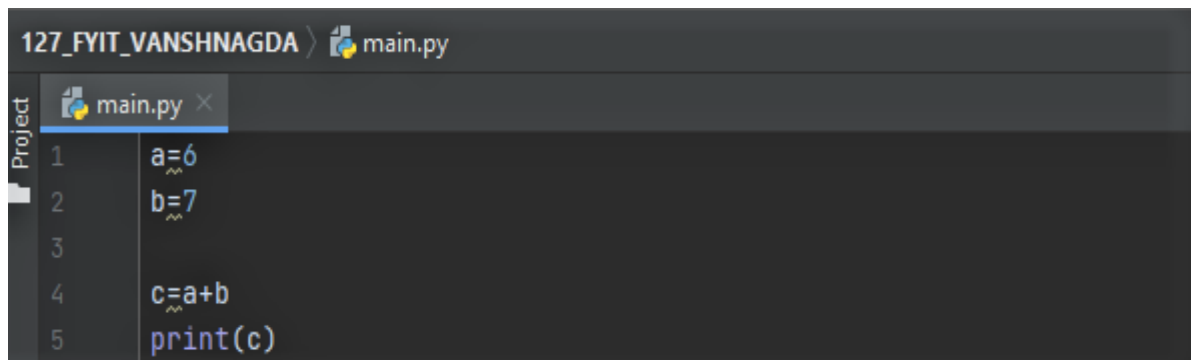
Practical 7 : Implementing coding practices in Python using PEP8.

1. Use docstrings : There are both single and multi-line docstrings that can be used in Python. However, the single line comment fits in one line, triple quotes are used in both cases. These are used to define a particular program or define a particular function.



```
127_FYIT_VANSHNAGDA > main.py
Project main.py x
1 def exam():
2     """This is single line docstring"""
3
4     """This is
5     a
6     multiline docstring"""
```

2. Use spaces around operators and after commas, but not directly inside bracketing constructs:

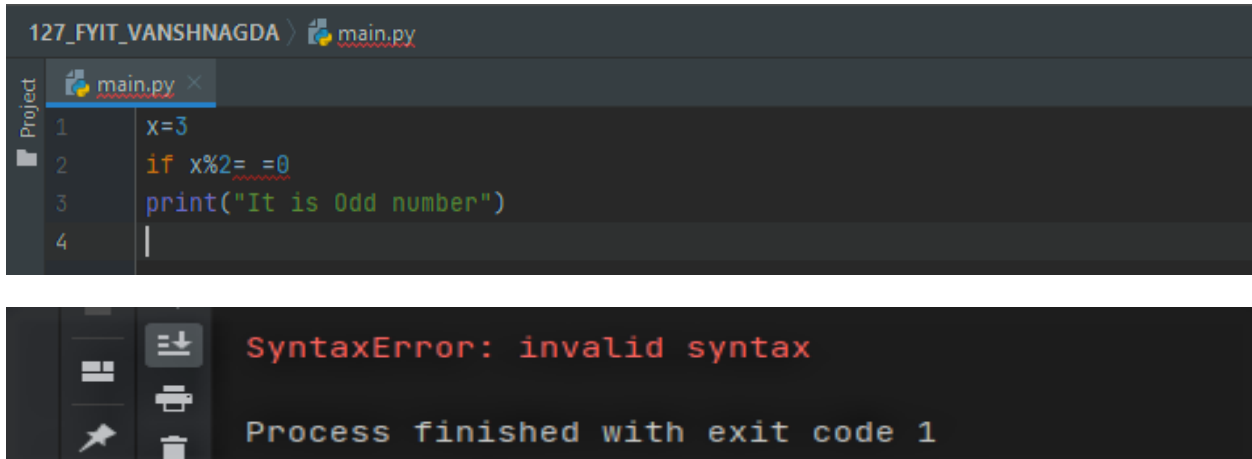


```
127_FYIT_VANSHNAGDA > main.py
Project main.py x
1 a=6
2 b=7
3
4 c=a+b
5 print(c)
```

NAME: VANSNAGDA
ROLL NO: 127 CLASS: FYIT

3. Expected an indented block: Indentation is extremely important in python. The indentation level of lines of code in python determines how statements are grouped together.

Incorrect:



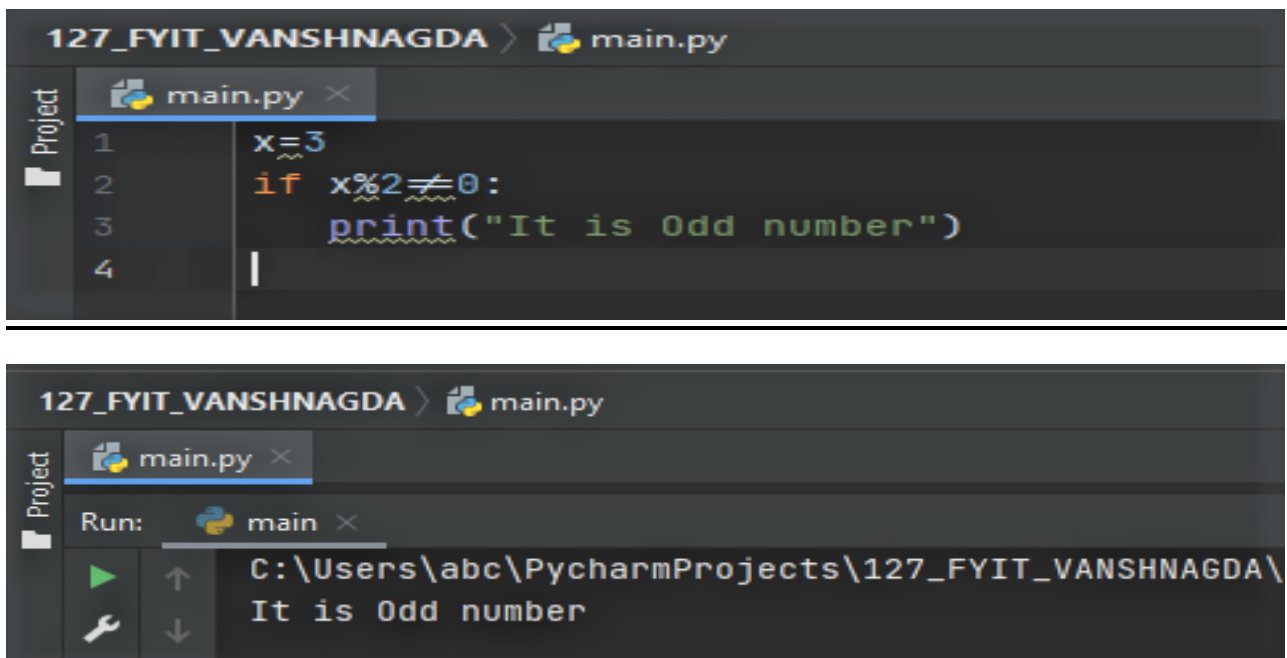
The screenshot shows a code editor with a file named `main.py`. The code is as follows:

```
1 x=3
2 if x%2= =0
3 print("It is Odd number")
4 |
```

The code is syntactically incorrect because of the double equals sign in the `if` statement. The output window at the bottom displays the following error message:

```
SyntaxError: invalid syntax
Process finished with exit code 1
```

Correct :



The first screenshot shows the same code as the previous one, but with correct indentation:

```
1 x=3
2 if x%2!=0:
3     print("It is Odd number")
4 |
```

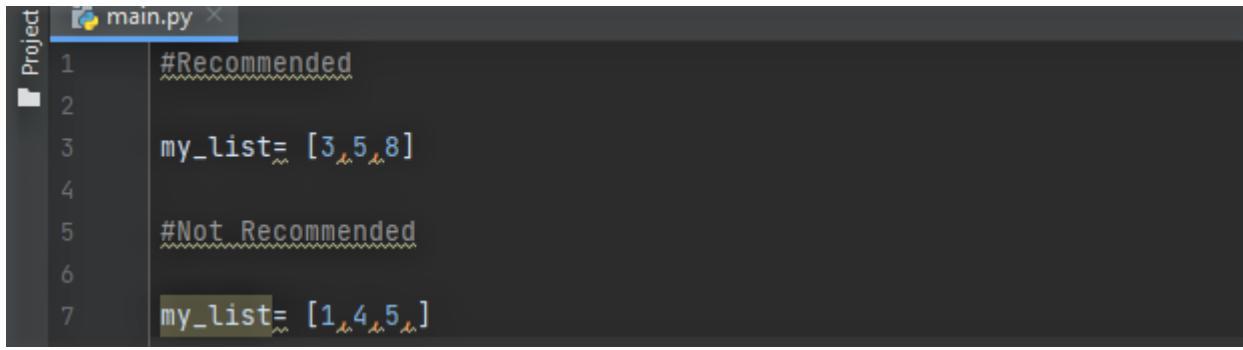
The second screenshot shows the same code, but with the output window displaying the result of the execution:

```
Run: main
C:\Users\abc\PycharmProjects\127_FYIT_VANSHNAGDA\
It is Odd number
```

NAME: VANSH NAGDA

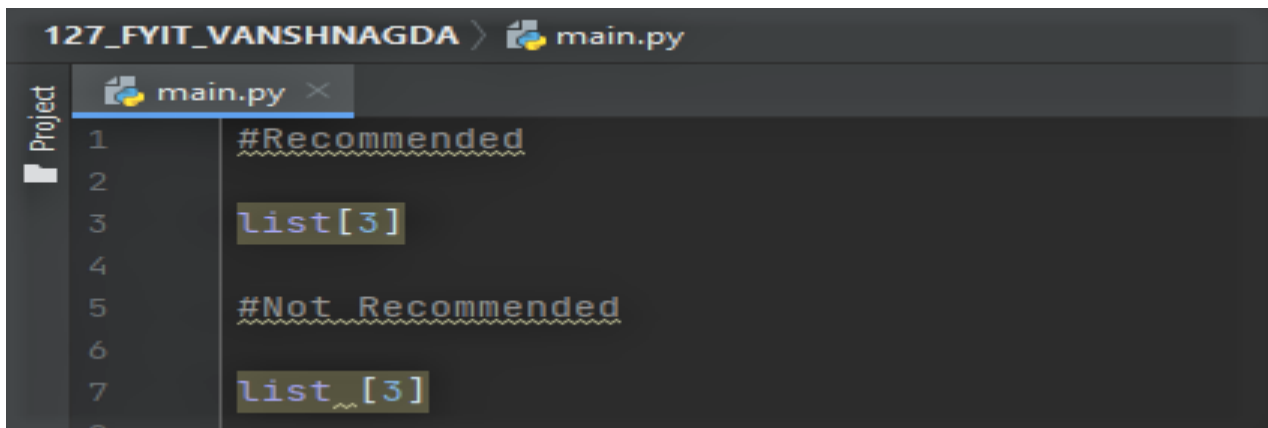
ROLL NO: 127 CLASS: FYIT

4. Where to avoid white space:



```
1  #Recommended
2
3  my_list= [3,5,8]
4
5  #Not Recommended
6
7  my_list= [1,4,5,]
```

5. Before open Bracket that starts an index or slice:



```
127_FYIT_VANSHNAGDA > main.py
1  #Recommended
2
3  list[3]
4
5  #Not Recommended
6
7  list [3]
```

PRACTICAL 8: PRESENTATION

UNIFIED COMMUNICATION