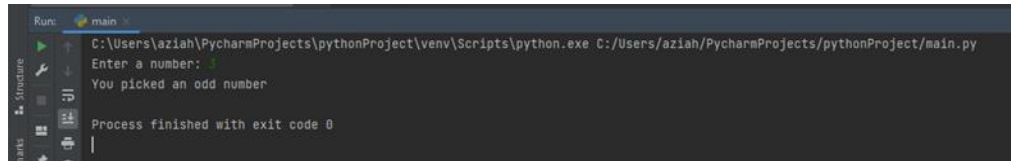


LAB 4: CONTROL STRUCTURE IN PYTHON – CONDITIONAL STATEMENT

Part A: Learn how to use the **Selection control statements** (if, if..else, if..elif..else) in Python

1. Write a program to check if the given number is even or odd.

Output sample:



```
Run: main
C:\Users\aziah\PycharmProjects\pythonProject\venv\Scripts\python.exe C:/Users/aziah/PycharmProjects/pythonProject/main.py
Enter a number: 3
You picked an odd number
Process finished with exit code 0
```

2. Based on the following table, write a program that determines if your score will pass the exam.

Score	Output
Less than 50	You failed
Other	You passed

3. Write a PYTHON program to find largest of three numbers
4. Write a program to display profit or loss in trading of an item.

Sample input/output:

Enter selling price: 20

Enter buying price:19

You have profit in trading of this item

Part B:

1. Lecturers often provide scores on tests, which are converted to grades the end of the semester. Write a python program to ask for the score input and print the respective grade as follow:

Score	Grade
Above 80	A
60 - 79	B
40 - 59	C
Below 40	D

2. Write a PYTHON program to find smallest of three numbers.
3. Write a PYTHON program to check a year is a leap year or not a leap year.
4. Write a Python program to determine whether the speed limit exceeds 110 km per hour. If the speed exceeds 110, then fine = 300, otherwise fine = 0. Display fine.
5. Write a Python program to determine whether the age is above 12 years old. If the age is above 12, then ticket = 20, otherwise ticket = 10. Display ticket.
6. Write a PYTHON program to check entered character is vowel or consonant.
7. A company insures its drivers in the following cases:
 - If the driver is married.
 - If the driver is unmarried, male and above 30 years of age.
 - If the driver is unmarried, female and above 25 years of age.

In all the other cases, the driver is not insured.

If the marital status, gender, and age of the driver are the inputs,

Write a PYTHON program to determine whether the driver is insured or not