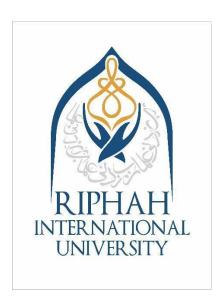
LAB # 03 Artificial Intelligence



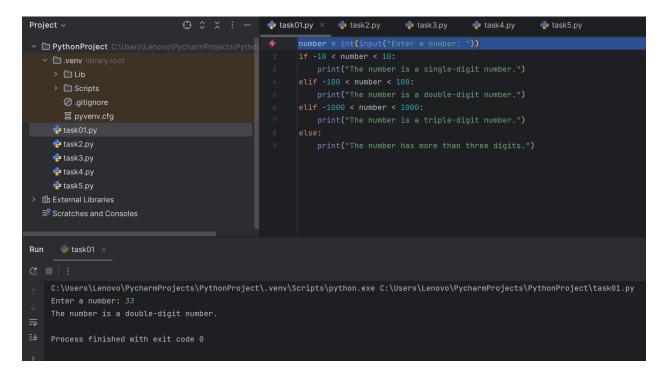
Name: Maryum Malik

Sap Id: 45369

Submitted to : mam Ayesha

Task 01:

1. Program to check whether the number is single digit, double digit or triple digit?



Task 02:

```
<code-block> task2.py 🗵</code>
                                                            number = int(input("Enter a number: "))

➤ PythonProject C:\Users\Lenovo\PycharmProjects\PythonProject

                                                            if number%2==0:
                                                                print("number is odd")
       .gitignore
       ፱ pyvenv.cfg
     ntask2.py
     ntask3.py
     task4.py
     task5.py

■ Scratches and Consoles

     🏺 task2 🛛 🔻
Run
    Enter a number: 5
    Process finished with exit code 0
```

Task 03:

Task 04:

```
salary = int(input("Enter your salary: "))

years_of_service = int(input("Enter your years of service: "))

if years_of_service > 5:
    bonus = salary * 0.05
    print("Your bonus amount is:", bonus)

else:

print("You are not eligible for a bonus.")

Run    task4 ×

C    :
    C:\Users\Lenovo\PycharmProjects\PythonProject\.venv\Scripts\python.exe C:\U
Enter your salary: 100000
Enter your years of service: 3

You are not eligible for a bonus.

Process finished with exit code 0
```

Task 05:

```
print(input("Enter a year: "))

if (year % 4 == 0 and year % 100 != 0) or (year % 400 == 0):
    print("Leap Year")

else:
    print("Not a leap year.")

Run    task5 ×

C    :
    C:\Users\Lenovo\PycharmProjects\PythonProject\.venv\Scripts\python.exe C:\Users\Lenovo\PycharmProjects\PythonProject\.venv\Scripts\PythonProject\.venv\Scripts\PythonProject\.venv\Scripts\PythonProject\.venv\PycharmProject\.venv\PycharmProject\.venv\PycharmProject\.venv\PycharmProject\.venv\PycharmProject\.venv\PycharmProject\.venv\PycharmProject\.venv\PycharmProject\.venv\PycharmProject\.venv\PycharmProject\.venv\PycharmProject\.venv\PycharmProject\.venv\PycharmProject\.venv\PycharmProject\.venv\PycharmProject\.venv\PycharmProject\.venv\PycharmProject\.venv\PycharmProject\.venv\PycharmProject\.venv\PycharmProject\.venv\PycharmProject\.venv\PycharmProject\.venv\PycharmProject\.venv\PycharmProject\.venv\PycharmProject\.venv\PycharmProject\.venv\PycharmProject\.venv\PycharmProject\.venv\PycharmProject\.venv\PycharmProject\.venv\PycharmProject\.venv\PycharmProject\.venv\PycharmProject\.venv\PycharmProject\.venv\PycharmProject\.venv\PycharmProject\.venv\PycharmProject\.venv\PycharmProject\.venv\PycharmProject\.venv\PycharmProject\.venv\PycharmProject\.venv\PycharmProject\.venv\PycharmProject\.venv\PycharmProject\.venv\PycharmProject\.ven
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