



Bahria University, Islamabad

Department of Software Engineering

Artificial Intelligence Lab

(Fall-2021)

Teacher: Engr. M Waleed Khan

Student : M Iqrar Ijaz Malik

Enrollment : 01-131182-021

Lab Journal: 1

Date: 07-11-2021

Task No:	Task Wise Marks		Documentation Marks		Total Marks (20)
	Assigned	Obtained	Assigned	Obtained	
1	15		5		

Comments:

Signature

Lab No: 1

Getting Started with Python (Part-1)

Introduction

Python is simple to use, but it is a real programming language, offering much more structure and support for large programs than shell scripts or batch files can offer. Python allows you to split your program into modules that can be reused in other Python programs. It comes with a large collection of standard modules that you can use as the basis of your programs.

Tools Used

Tool used to perform this task is **PyCharm Community Addition**

Task 1: Write a program in python to evaluate grade according to marks.

Code

```
print("Artificial Intelligence Lab Number 1")
print("Iqrar Ijaz Malik 01-131182-021")

def GpaCalculator(marks):
    if 90 <= marks <= 100:
        print("Your Grade is A")
    elif 80 <= marks < 89:
        print("Your Grade is B")
    elif 70 <= marks < 79:
        print("Your Grade is C")
    elif 60 <= marks < 69:
        print("Your Grade is D")
    elif 50 <= marks < 59:
        print("Your Grade is E")
    elif marks >= 49:
        print("Fail!")
    else:
        print("Invalid Input!")
```

```
obtained_marks = int(input("Enter your marks:"))
GpaCalculator(obtained_marks)

while True:
    a = input("Enter yes/no to continue : ")
    if a=="yes":
        obtained_marks = int(input("Enter your marks:"))
        GpaCalculator(obtained_marks)
        continue
    elif a=="no":
        break
    else:
        print("Enter either yes/no")
```

Screenshot

```
"F:\Work\AI Lab\Lab 1\env\Scripts\python.exe" "F:/Work/AI Lab/Lab 1/main.py"
Artificial Intelligence Lab Number 1
Iqrar Ijaz Malik 01-131182-021
Enter your marks:90
Your Grade is A
Enter yes/no to continue : yes
Enter your marks:50
Your Grade is E
Enter yes/no to continue : no

Process finished with exit code 0
```

Conclusion

I completed the tasks given to us and pasted output above.