

Full Stack Application Development with MS Azure Cloud

Module 3 - Back-End Development & Integration

Lab Practical Manual

Unit 1 - Python Programming Language

Topic: Conditional Statements - Solved Question

Lab 1: Python program to read a number and check whether it is positive, negative, or zero

Program

```
num = int(input("Enter a number: "))  
if num > 0:  
    print("The number is positive.")  
elif num < 0:  
    print("The number is negative.")  
else:  
    print("The number is zero.")
```

Output

Enter a number: 5

The number is positive.

Unsolved Question

Lab 2: Python program to determine the grade based on the percentage score

Objective

The objective of this program is to determine the grade of the student based on percentage score based on the following condition:

≥ 90	Very Good
≥ 80 and < 90	Good
≥ 60 and < 80	Average
≥ 45 and < 60	Below Average
< 45	Fail
< 45	Fail