Full Stack Application Development with Cloud Computing

Module 3 - Back-End Development & Integration

Lab - 1

Unit 1 - Python Programming Language

Topic: Conditional Statements

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

Program

```python
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.

Practice Question

Ex. 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
>=60and <80	Average
>=45 and <60	Below Average
<45	Fail
<45	Fail