The University Of Mirpurkhas

PITP Homework Questions (01-10-2025)

a. Importing Modules

1. Write a program using the math module to calculate:

   o Square root of 25

   o Value of π

   o Cosine of 0

2. Write a program using the random module to generate 5 random numbers between 1 and 100.

3. Write a program to import the datetime module and print today's date.

b. Creating Custom Modules

1. Create a module calculator.py with functions:

   o add(a, b)

   o subtract(a, b)

   o multiply(a, b)
   Import it into another file and use it.

2. Create a module greetings.py with functions:

   o say_hello(name)

   o say_goodbye(name)
   Import and use them in a program.

c. Python Package Structure

1. Create a package shapes with a module circle.py that contains a function area(radius). Import and use it in another program.

2. Create a package school with a module student.py that has a function student_info(name, age, grade). Import and print student details from another file.