PACKAGES, EXCEPTION HANDLING

SLIPTEST-3

05-11-2024

Each question is for 10 marks.

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| Q. No. | Questions | CO | L |
| Set No:1 | | | |
| Q1 | Define package. Explain the behaviour of different access specifiers in packages. | CO3 | L3 |
| Q2 | Write a program to demonstrate the working of checked and unchecked exceptions. | CO2 | L3 |
| Set No:2 | | | |
| Q1 | Develop a Java program by defining, creating and accessing a package. Suppose you have a package named com.example.myapp. How would you import a class named MyClass from this package into another Java file? | CO3 | L3 |
| Q2 | Write a program to demonstrate the working of user defined exceptions. | CO1 | L2 |
| Set No:3 | | | |
| Q1 | What is the purpose of the java.lang package in Java? Which classes are automatically imported from this package? | CO3 | L3 |
| Q2 | Develop a java program that demonstrates how certain exception types are not allowed to be thrown. | CO1 | L2 |
| Set No:4 | | | |
| Q1 | Explain the role of the Object class in Java. Why is it considered the root class for all other classes? | CO1 | L2 |
| Q2 | Develop a java program that illustrates the application of multiple catch statements | CO1 | L2 |
| Set No:5 | | | |
| Q1 | Give a brief description about the role of wrapper classes in java. Explain the concept of auto-boxing and auto-unboxing. | CO1 | L2 |
| Q2 | Demonstrate the class Throwable with the help of a Java program. | CO1 | L2 |
| Set No:6 | | | |
| Q1 | Describe the significance of the Math class. What mathematical operations can you perform using its static methods? | CO1 | L2 |
| Q2 | What is an exception? Explain exception handling mechanism with an example. | CO1 | L2 |