

MIT-WPU
School of Computer Science
Practical Assignment No: 02

Std: MCA- I

Subject: Java Programming

Assignment Date: 10th Nov 2024

Submission Date: 14th Nov 2024

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Topic: Exception Handling

Q.1.

Write a java program to accept the details of product as productcode, productname and weight. If weight > 100 then throw an exception as InvalidProduct Exception and give the proper message. Otherwise display the product details. Define required exception class.

Q.2.

Write a Java program to accept Username and Password as email-id address of a Employee, **Validate Password and through User defined exception called InvalidEmailException** to check whether in email id @ symbol, .com, .co.in is present or not also email id doesn't starts with digit.

If there is no exception accept the 10 employee information and their BasicSalary based on Basic Salary calculate employee gross salary and net_salary.

Display the employee details in descending order according to their net_salary

Q.3.

Write an application that will accept details of items such as items such as itemcode, description, quantity and rate.

Accept details of 4 different items in an array of objects.

Fire user defined exception if quantity or price is less than or equal to zero.

Display the accepted 4 different items details on console.

Q.4.

Write a java program which stores the username and password in two variables. If username and password are not same, then raise exception “Invalid Password ” With appropriate message.

Q.5.

Write an application which will accept a number from command line. If number is not divisible by 7, then throw “notDivisibleBy7” user defined Exception.

Q.6.

Accept a string from command line, if the string is in uppercase then throw user defined exception.

Q.7.

Write a java program to create own exception for Negative Value Exception if the user enter negative value.

Q.8.

What is the difference between ‘Exception’ and ‘error’ in java?

Q.9.

Can we have an empty catch block? Justify

Q.10.

What is the difference between ‘throw’ and ‘throws’? And it's application?

Q.11.

Write a Java Program which stores the username and password in two variables. If username and password are not same, then raise “Invalid Password” with appropriate message.