Green University of Bangladesh

Department of Computer Science and Engineering

CT-3 Exam Assignment with rubrics, Spring 2022

Course Code: CSE 201 Course Title: Object Oriented Programming

**Full Marks: 15**

1. **Write an assignment on the use of user defined package. Create any user defined package and use this package in your java program by importing the package.**

**Instructions:**

(i). Define user-defined package and the reasons why you should use packages in Java perfectly. (ii). Create any user-defined package. (iii) Import it in your java program perfectly. (iv). Address the advantages of importing the package in your program. (v). Your package should be created and imported uniquely and any plagiarism should not be tolerated.

For example, a class Calculator has been created inside a package name calculate. To create a class inside a package, declare the package name in the first statement in your program. A class can have only one package declaration. Calculator.java file created inside a package calculate.

package calculate;

public class Calculator {

public int add(int a, int b){

return a+b;

}

public static void main(String args[]){

Calculator obj = new Calculator();

System.out.println(obj.add(10, 20));

}

}

To use the class Calculator, I have imported the package calculate. In the following program, I have imported the package as calculate. Calculator, this keyword only imports the Calculator class. However, if you have several classes inside package calculate, and then you can import the package like following, ­

import calculate.Calculator;

public class Demo{

public static void main(String args[]){

Calculator obj = new Calculator();

System.out.println(obj.add(100, 200));

}

}

To use all the classes (such as Subtract, Multiplication, Division etc.) of this package.

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| **Marks** | **Level** | **Descriptions** |
| 15 | Excellent | Correctly address the following five instructions properly. (i). Define user-defined package and the reasons why you should use packages in Java perfectly. (ii). Create any user-defined package. (iii) Import it in your java program perfectly (iv). Address the advantages of importing the package in your program. (v). Your package should be created and imported uniquely and any plagiarism should not be tolerated. |
| 12 | Very Good | If anyone instruction is not addressed correctly but other instructions are addressed perfectly. |
| 9 | Good | If any two instructions including [(v). Your package should be created and imported uniquely and any plagiarism should not be tolerated.] are not addressed correctly but other instructions are addressed perfectly. |
| 6 | Average | If any two or more instructions are not addressed correctly but anyone instruction is addressed perfectly. |
| 3 | Poor | If anyone instruction is addressed partially. |