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|  | **Assignment No. 1Semester: Fall 2022****CS201 – Introduction to Programming** | **Total Marks: 20****Due Date: 05th December 2022**  |
| **Instructions****Please read the following instructions carefully before submitting assignment:****It should be clear that your assignment will not get any credit if:*** **Assignment is submitted after due date.**
* **Submitted assignment does not open or file is corrupt.**
* **Assignment is copied (From internet/students).**

**Recommended tool to develop Assignment*** **Dev C++**

**Objectives:**To enable students to understand and practice the concepts of:* Data Types and Variables
* Arithmetic and Logical Operators
* Expression Solving
* If-else Statements
* Repetition Structure
* Function

**Assignment Submission Instructions** You have to submit only **.cpp** file on the assignments interface of CS201 from your LMS account. ***Assignment submitted in* any other format(like doc, docx, pdf, giff,jpg etc.) *will be scaled with* zero mark*.*** *So, check your solution file format before submission.* For any query related to assignment, please contact cs201@vu.edu.pk.  **Lectures: 1 to 10** |

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| **Assignment**  |  |
| Write a C++ program to prompt the user to enter the Scale and then print the Employee’s Basic Pay, House Rent Allowance and Total Pay by using a function.Calculations are given as:

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| --- | --- | --- | --- |
| **Scale** | **Salary** | **House Rent(% of salary)** | **Utility Allowance** |
| 1 | 50000 | 10 | 3000 |
| 2 | 70000 | 10 | 5000 |
| 3 | 90000 | 10 | 7000 |

**Note:** The scale should be between 1 and 3 otherwise the system will ask for the correct scale again.As a result, you should have the following output:If the user enter 1:If the user enter 2:If the user enter 3:If the user enters input other than 1, 2 and 3. Then program should prompt the user to enter the correct scale of the employee again. |
| Lectures Covered: 1 to 10**Due date: 05th December,2022** |