

Quiz No 1 Rubric | Programming Fundamentals | Fall 2023 | Quiz version BCS-A1

Question 1: What are header files? Can you name one? (2 marks)

Criteria	Excellent (2)	Satisfactory (1)	Unsatisfactory (0)
Understanding of header files	The proper definition of header files and an example provided	Partial definition provided with no example	Incorrect or no definition provided

Question 2: Stepwise, solve the following equation and write the r value. No need to write code (4 marks)

Criteria	Excellent (4)	Satisfactory (2-3)	Unsatisfactory (0-1)
Solution of equation	All steps were correctly followed, and the correct value of r provided	Partially correct steps and/or partially correct value of r	Incorrect steps and/or incorrect value of r

Question 3: Write a program to convert centimeters into meters and kilometers? Assume the value for centimeters to be 1000? What will be the output values in this case? Also, draw a flowchart for the said program.

(10 marks)

Criteria	Excellent (7-8)	Satisfactory (4-6)	Unsatisfactory (0-3)
Program correctness	Correct program with correct output	Partially correct program with correct output	Incorrect program and/or output
Curly braces	All opening braces have matching closing braces and used correctly	Some braces are missing or misplaced	No braces or misplaced braces

Statement terminators	All statements have proper terminators	Some statements are missing terminators	No statement terminators
Flowchart	Provided and accurate	Provided but not completely accurate	Not provided or incorrect

Question 4: What will be the output of the program? (10 marks)

Criteria	Excellent (9-10)	Satisfactory (5-8)	Unsatisfactory (0-4)
Understanding of program	Correct output and explanation of the program	Partially correct output and/or explanation	Incorrect output and/or explanation