## SDLC – Analysis - Homework 1

|  |  |
| --- | --- |
| 1 | What is the purpose of the analysis stage in the SDLC? |
|  |  |
| 2 | Describe in detail the 3 elements do you need to define during the analysis process |
|  |  |
| 3 | What documentation is produced at the end of the Analysis stage |
|  |  |
| 4 | A program is to be written to simulate the basic arithmetic functions of a calculator. The program asks the user to input 2 numbers and the sum (+), difference\_ should be displayed.  Describe the purpose of this program and outline the functional requirements.   |  |  |  | | --- | --- | --- | | Inputs | Process | Output | |  |  |  | |  |  |  | |
|  |  |
| 5 | A school needs a program to grade students’ marks after an exam. The program should take in an integer between 0 and 100 and output a grade.   |  |  |  | | --- | --- | --- | | Inputs | Process | Output | |  |  |  | |  |  |  | |
|  |  |

*Sources: Own, Past papers, John Walsh & Jane Paterson Computing Science Second edition booklet.*