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| The Software Development ProcessANALYSIS & DESIGN | |
| 1. | List the stages of the software development process in order. |
| 2. | Describe the term iterative. |
| 3. | List three tasks carried out at the analysis stage. |
| 4. | Name the document that is produced at the analysis stage that contains details of exactly what the software must do, the timescale and the budget. |
| 5. | Describe the term **‘functional requirements’**. |
| 6. | Describe the term **‘user requirements’**. |
| 7. | State two tasks carried out at the design stage. |
| 8. | Describe what is meant by **‘user interface’**. |
| 9.. | Name the design notation used to design the user interface. |
| 10. | List three design notations that can be used to design the structure of the code. |
| 11. | Give two examples of assumptions that developers may need to make at the design stage. |
| 12. | Identify which design notation has been used in each example below. |
|  | **Example 1** |
|  | 1. RECEIVE name FROM KEYBOARD 2. RECEIVE mark FROM KEYBOARD 3. IF mark > 50 then 4. SEND (“You have passed”) TO DISPLAY 5. ELSE 6. SEND (“You have failed”) TO DISPLAY 7. END IF |

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|  | **Example 2** | | |
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|  | **Example 3** | | |
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| 13. | Design a solution the problem below using each design notation. | | |
|  |  | **A program is required to process ticket purchases for a concert. Customers can buy between 1 and 10 tickets. A discount of 5% is given for purchases of more than 5 tickets.**  **Tickets for the concert are priced at £25.** |  |
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