6-A-Day - Computer Science GCSE (30)

| $\bigcirc 1$ | | In the ACCI | Labauaa | | | there conited letters are sine | | | | | | |
|--------------|---|---|---------|-------------|----------------------|--------------------------------|-----|--|--|--|--|--|
| Q1 | In the ASCII character set, the character codes for the first three capital letters are given below. | | | | | | | | | | | |
| | | | | Letter | ASCII character code |] | | | | | | |
| | | | | Α | 0100 0001 | | | | | | | |
| | | | | В | 0100 0010 |] | | | | | | |
| | | | | С | 0100 0011 | | | | | | | |
| | (b) The program uses the letters in the following list to represent musical notes. | | | | | | | | | | | |
| | | | | CDEFGAB | | | | | | | | |
| | When the user inputs a letter from this list, the program outputs the next three notes in the lift it gets to the end of the list, it starts again from the beginning, so the next note after B | | | | | | | | | | | |
| | | Complete the test plan below by stating, for each input data, the expected outcome and a reason for the test. | | | | | | | | | | |
| | | Input Data Expected of | | ted outcome | Reason for test | | | | | | | |
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| Q2 | Explain why the ASCII character set is not suitable for representing text in all the languages of the world. | | | | | | | | | | | |
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| Q3 | Describe what is meant by open source software. | | | | | | | | | | | |
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| Q4 | The ta | ble below shows some of th | nputer. | | | | | | | |
|-----|---|----------------------------|-------------------|----------------------------|-----|--|--|--|--|--|
| | Tick one box in each row to show whether the utility is used for security or disk organisation. | | | | | | | | | |
| | | Utility | Used for security | Used for disk organisation | | | | | | |
| | | Antivirus | | | | | | | | |
| | | Defragmenter | | | | | | | | |
| | | File transfer | | | | | | | | |
| | | Firewall | | |] | | | | | |
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| Q5 | Describe what is meant by a database. | | | | | | | | | |
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| Q6 | When a person joins the website, they need to enter some personal data which using rules. For example, the date of birth must be in the past. | | | | | | | | | |
| | State one rule that could be used when validating each of the following. Email address | | | | | | | | | |
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| | | | | | | | | | | |
| | Gender | | | | | | | | | |
| | dondor | | | | | | | | | |
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| | Password | i | | | | | | | | |
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| | | | | | [3] | | | | | |
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