

N5 Homework SDD: Answers

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| 1 | IF age >=5 AND age <=18 THEN SEND "school" TO DISPLAY |
| 2 | UNTIL guess >=1 AND guess <=80 |
| 3a | <p>Line 5 starts a conditional loop At Line 6 a prompt is displayed and the user enters their password at line 7 At line 8, if the user has guessed the password correctly, the loop will terminate. If not, the loop will repeat and the user will have to guess again.</p> |
| 3b | <p>String</p> <p><i>It must store letters, numbers and other characters.</i></p> |
| 4 | <p>total = 0 FOR index = 1 TO 5 RECEIVE test_score FROM KEYBOARD total = total + test_score NEXT index average = total / 5</p> <p><i>Running total must be used inside the fixed loop. Average is calculated by dividing total by 5</i></p> |
| 5 | <p>RECEIVE waterCost FROM KEYBOARD RECEIVE flavouringCost FROM KEYBOARD RECEIVE labourCost FROM KEYBOARD RECEIVE sellingPrice FROM KEYBOARD</p> <p>manufacturingCOST = waterCost + flavouringCost + labourCost profit = sellingPrice – manufacturingCost</p> <p><i>In order to perform the calculations, the costs for water, flavouring, labour and the selling price must be entered by the user. The manufacturing cost and profit can then be calculated using the formula given.</i></p> |
| 6a | <p>Conditional Loop</p> <p><i>The loop does not repeat a set number of times but instead repeats until a variable contains a particular value.</i></p> |
| 6b | <p>21,22,23... to ...67,68,69</p> <p>Loop repeats until a number from greater than 20 and less than 70 is entered</p> |