

No. Soalan	Jawapan	Markah / Remark
2a	<p>INPUT Number of liters</p> <p>PROCESS To calculate Monthly water bill based on Number of liters</p> <p>OUTPUT Monthly water bill</p>	<p>(1 mark)</p> <p>(2 marks)</p> <p>(1 mark)</p>
2b	<p>INPUT Hourly Air Quality Index</p> <p>PROCESS To calculate and display "Warning" or "Safe" based on Hourly Air Quality Index</p> <p>OUTPUT "Warning" or "Safe"</p>	<p>(1 mark)</p> <p>(3 marks)</p> <p>(2 mark)</p>
3a	<p>START</p> <p>ENTER CODE, QUANTITY      1m</p> <p>IF ( CODE = C1) DISPLAY "COW" TOTAL = QUANTITY * 25      1m</p> <p>ELSE IF ( CODE = G1) DISPLAY "GOAT" TOTAL = QUANTITY * 5      1m</p> <p>ELSE IF ( CODE = S1)</p>	

	<div>DISPLAY "SHEEP" TOTAL = QUANTITY * 8      1m</div> <div>ELSE DISPLAY " INVALID"      1m</div> <div>END IF</div> <div>DISPLAY TOTAL      1m</div> <div>STOP</div>	
3b	<div><pre>graph TD     START([START]) --&gt; ENTER[ENTER PURCHASE TYPE]     ENTER --&gt; D1{if PURCHASE &gt; 300}     D1 -- yes --&gt; D2{if TYPE = PREMIUM}     D1 -- no --&gt; D3{if PURCHASE &lt;= 300}     D2 -- yes --&gt; P1[DISCOUNT = 0.75]     D2 -- no --&gt; P2[DISCOUNT = 0.9]     P1 --&gt; O1[/DISPLAY * 25%/]     P2 --&gt; O2[/DISPLAY * 10%/]     D3 -- yes --&gt; D4{if TYPE = PREMIUM}     D3 -- no --&gt; P3[DISCOUNT = 1]     D4 -- yes --&gt; P4[DISCOUNT = 0.85]     D4 -- no --&gt; P3     P4 --&gt; O3[/DISPLAY * 15%/]     P3 --&gt; O4[/DISPLAY * NO DISCOUNT/]     O1 --&gt; J1(( ))     O2 --&gt; J1     O3 --&gt; J1     O4 --&gt; J1     O4 --&gt; O5[/Display * Invalid/]     J1 --&gt; P5[FINAL = PURCHASE * DISCOUNT]     P5 --&gt; O6[/DISPLAY FINAL/]     O6 --&gt; STOP([STOP])</pre></div>	<div>input 1 m</div> <div>decision 0.5m*4 =2m</div> <div>process 5* 1m=5m</div> <div>output 5 *1m=5m</div> <div>label yes no cukup= 0.5m</div> <div>flowline cukup = 0.5m</div>
4a(i)	<div>22</div> <div>5.5</div>	
4a(ii)	<div>n = 10</div> <div>while n &gt;= 2:</div> <div>  print("Count:", n)</div> <div>  n -= 2</div>	<div>2m</div>
4b(i)	<div><math>z = (3*a*a + 4*b) / (2*c)</math></div>	<div>2m</div>

4b(ii)	$v = s * q * r * t * (u * u + 2 * a * s)$	2m
5a	<pre> sale = 0.0 bonus = 0.0 for i in range(1, 8):     sale = float(input(f"Enter revenue for day {i}: RM "))     if sale &gt; 500:         bonus = sale * 0.10         (f"Bonus for day {i}: RM {bonus}") </pre>	<p><b>J0.5</b> - Correct one variable (sale or bonus)</p> <p><b>J0.5</b> - Correct all variables (both sale and bonus)</p> <p><b>J0.5</b> - Correct for and condition (range(1, 8))</p> <p><b>J0.5</b> - Correct updating (automatic in for loop)</p> <p><b>J1</b> - Correct input (float(input(...)))</p> <p><b>J1</b> - Correct single selection (if sale &gt; 500:)</p> <p><b>J1</b> - Correct formula (bonus = sale * 0.10)</p> <p><b>J1</b> - Correct output (print(...))</p> <p><b>Deduct 0.5</b> - Wrong data type (if not using float)</p>
5b	<pre> code = "" quantity = 0 price = 0.0 total = 0.0 tax = 0.0 grandTotal = 0.0  code = input("Enter code (A01/A02/A03): ") quantity = int(input("Enter quantity: "))  if code == "A01":     price = 18.00 elif code == "A02": </pre>	<p><b>J0.5</b> - 3 correct variables</p> <p><b>J0.5</b> - All correct variables</p> <p><b>J0.5</b> - Correct code input</p> <p><b>J0.5</b> - Correct quantity input</p> <p><b>J0.5</b> - Correct if (code and price must be correct)</p> <p><b>J0.5</b> - Any correct else if (both</p>

	<pre>price = 12.00 elif code == "A03":     price = 8.00  total = price * quantity tax = total * 0.06 grandTotal = total + tax  print(f"Total to be paid: RM {grandTotal}")</pre>	<p>code and price must also correct)</p> <p><b>J0.5</b> - Correct both total and tax formula</p> <p><b>J0.5</b> - Correct grand total formula</p> <p><b>J1</b> - Correct output</p>
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