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**Class & Section :** BCS 1K-0536

**TOPIC :** PF LAB TASK 1-7

TASK #1 :

|  |  |
| --- | --- |
| GIVEN DATA | REQUIRED RESULT |
| School bell didn’t ring at 01:00 pm. | Why is it not ringing despite time is up. |
| PROCESSING REQUIRED | SOLUTION ALTERNATIVES |
| It didn’t rang today. | Technical Error , Human Error , power  Issues etc. |

TASK # 2 :

|  |  |
| --- | --- |
| GIVEN DATA | REQUIRED RESULT |
| Input of Length and Width by User. | Area of Rectangle. |
| PROCESSING REQUIRED | SOLUTION ALTERNATIVES |
| Area = Length x Width. | Constants may vary.  Output can be made fixed. |

LAB TASK # 3 :

**Algorithm** :

1. Start.
2. The sprite will turn 15 Degrees to Right.
3. The sprite will wait 1 second.
4. The Sprite will move 60 Degrees to Left.
5. The sprite will wait 1 second.
6. The Sprite will then move to where the mouse pointer is on the screen.
7. End

**Flow Chart :**

Sprite moves 15 Degree right.

1 Sec Pause

Sprite moves 60 Degree to left.

1 Sec Pause

LAB TASK # 4 :

**Algorithm** :

1. Start
2. Prompt the User for Input in Celsius.
3. Use the Formula (Fahrenheit = (Celsius \* 9/5) + 32) to convert Celsius to Fahrenheit.
4. The Display will be shown in Fahrenheit Scale
5. End

**Flow Chart :**

The Output will be generated in Fahrenheit Scale.

Use the Celsius to Fahrenheit Formula.

Ask the User for Input in Celsius

LAB TASK # 5 :

**Algorithm :**

**Step 1:** Start  
**Step 2:** Input first number = Num 1   
**Step 3:** Input second number = Num 2  
**Step 4:** Perform addition operation = Num 1 + Num 2  
**Step 5:** Display the result = Sum  
**Step 6:** End

LAB TASK # 6 :

**Algorithm :**

**Step 1:** Start  
**Step 2:** Display “What is you Name ?“  
**Step 3:** Take the name that user provides as Input.  
**Step 4:** Display “ Good Morning **NAME** !  
**Step 5:** End

LAB TASK # 7 :

**Algorithm**

**Step 1:** Start  
**Step 2:** Prompt the User to enter Marks for Subject 1  
**Step 3:** Read Marks 1  
**Step 4:** Prompt the User to enter Marks for Subject 2  
**Step 5:** Read Marks 2

**Step 6 :** Prompt the User to enter Marks for Subject 3

**Step 7 :** Read Marks 3

**Step 8 :** Calculate Total Marks = Marks 1 + Marks 2 + Marks 3.

**Step 9**: Calculate Percentage = (Total Marks/300)\*100

**Step 10 :** Display Total Marks

**Step 11 :** Display Percentage

**Step 12 :** End