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Exp-2

Q.1. WAP to calculate area and parameter of a rectangle based on its length and width.

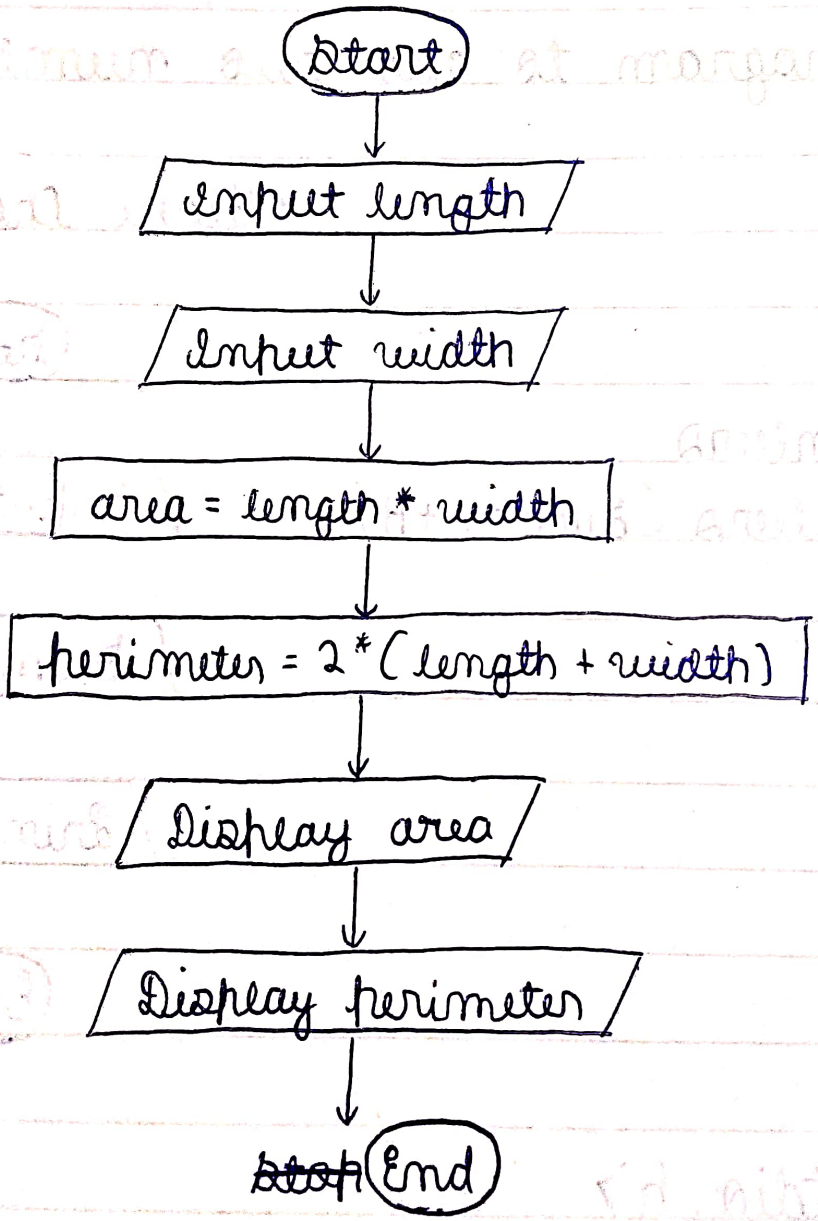
→ Algorithm

1) Start
2) Input length of rectangle
3) Input width of rectangle
4) Compute area = length * width
5) Compute perimeter = 2 * (length + width)
6) Display area
7) Display perimeter
8) End

•
```
#include <stdio.h>
int main()
{ int length, width, area, perimeter;
  printf("Enter length of rectangle");
  scanf("%d", &length);
  printf("Enter width of rectangle");
  scanf("%d", &width);
  area = length * width;
  perimeter = 2 * (length + width);
  printf("area = %d, perimeter = %d \n", area, perimeter);
  return 0;
}
```

Teacher's Signature: _____

Flowchart


Start
Input length
Input width
area = length * width
perimeter = 2*(length + width)
Display area
Display perimeter
stop
End

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Q.2. WAP to convert temperature from celcius to Fahrenheit using formula F = (C * 9/5) + 32

→ Algorithm

1) Start
2) Input Temperature in celcius (C)
3) Compute F = (C * 9/5) + 32
4) Display value of temperature in Fahrenheit (F)
5) Stop

•
```
#include <stdio.h>
int main()
{
    int c, f;
    printf("Enter temperature in celcius");
    scanf("%d", &c);
    f = (c * 9/5) + 32;
    printf("Temperature in Fahrenheit = %d", f);
    return 0;
}
```

Flowchart