Programming Fundamentals

(Sir Furqan Hussain)

Assignment # 01

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**Pseudo Code and Flow Chart**

**Question#01:**

1. Begin
2. Input Farh

Read Fahr

1. Kelv = 5/9 \* (Farh - 32) + 273
2. Output Kelv

Kelv = 5/9 \* (Farh - 32) + 273

1. End

Output Kelv

**Question#02:**

1. Begin
2. Input Radius

Read Radius

1. Area = 3.14 \* Radius \* Radius
2. Output Area

Area = 3.14 \* Radius \* Radius

1. End

Output Area

**Question#03:**

1. Begin
2. Input Kmph

Read Kmph

1. Mph = Kmph / 1.609
2. Output Mph

Mph = Kmph / 1.609

1. End

Output Mph

**Question#04:**

1. Begin
2. Input Hours, Minutes

Read Hours, Minutes

1. Seconds = (Hours \* 3600) + (Minutes \* 60)
2. Output Seconds

Seconds = (Hours\*3600)+(Minutes)

1. End

Output Seconds

**Question#05:**

1. Begin
2. Input No\_People, Report\_Length
3. No\_Reams = {Report\_Length(No\_People + 5)} / 500
4. Roundup (No\_Reams)
5. Output No\_Reams

Read No\_People and Report\_Length

1. End

No\_Reams = {Report\_Length(No\_People + 5)} / 500

Roundup (No\_Reams)

Output No\_Reams

**Question#06:**

1. Begin
2. Input Height and Width
3. Total\_Side\_Area = Height \* 12 \* 2
4. Total\_Shelf\_Area = Width \* 12 \* 5
5. Bookshelf\_Area = Height \* Width
6. Board\_Amount = (Total\_Side\_Area + Total\_Shelf\_Area + Bookshelf\_Area) / 12
7. Output Board\_Amount
8. End

Read Height and Width

Total\_Side\_Area = Height \* 12 \* 2

Total\_Shelf\_Area = Width \* 12 \* 2

Bookshelf\_Area = Height \* Width

Board\_Amount = (Total\_Side\_Area + Total\_Shelf\_Area + Bookshelf\_Area) / 12

Output Board\_Amount