

F.Y.BCA (Sem – I)

Sub. Code – 104 Sub. Name – C.P.P.M.,

Assignment No. – 1

Arithmetic Expression

Date of Issue : 17/07/13

Date of submission : 24/07/13

1. WAP to input value of Celsius and convert it into Fahrenheit

$$F = 32 + (9 * c / 5)$$

2. WAP to input inches and convert it into feet

a. $Feet = inches / 12$

3. WAP to do the following

a. Input value for radius of a circle and find the area and circumference

b. Input value of a length of a square and find the area and perimeter

c. Input value of a length and breadth of a rectangle and find the area and perimeter

4. WAP to input the basic salary and display the gross and net salary

$$\text{Gross Salary} = \text{basic salary} + ta + da + hra$$

$$\text{Net salary} = \text{Gross salary} - \text{income tax}$$

$$Ta = 10\% \text{ of basic salary}$$

$$Da = 5\% \text{ of basic salary}$$

$$Hra = 20\% \text{ of basic salary}$$

$$\text{Income tax} = 2\% \text{ of basic salary}$$

5. WAP to input marks of five subjects and display the total and percentage with appropriate message

6. Find the output of the following arithmetic expression

$$a = 5 \quad b = 25 \quad c = 2$$

1. $b \setminus c \text{ mod } 5 \wedge c + a$

2. $(b / a) \wedge c - a$

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3. $c + a * a \text{ mod } b$

4. $b ^ { 1 / 2 } * a * 2$

5. $((b + a) \setminus (a + c)) * b / a$

6. $- a * b + (a + c)$