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CSE 1110 – ICS LAB – Online 1 || Set - B

Total Marks: 15

Duration: 45 minutes

1. Write a C program which will take as input a money amount, and represent the amount using 500tk, 100tk, and 1tk notes. You will have to use minimum number of notes (8 Marks)

| Sample Input | Sample Output |
|--------------|--|
| 3824 | 7 - 500Tk notes 3 - 100Tk notes 24 - 1Tk notes |
| 525 | 1 - 500Tk notes 0 - 100Tk notes 25 - 1Tk notes |

500) 525 (1
500
25

2. Write a C program which will take 2 floats E and m as input and calculate c using the formula. (7 Marks)
Formula: $E = mc^2$

$$c = \sqrt{\frac{E}{m}} \quad \text{sqrt(value)}$$

| Sample Input | Sample Output |
|----------------|---------------|
| E = 150 m = 15 | c = 3.16 |
| E = 456 m = 30 | c = 3.90 |

100) 25 (0
25
0

25) 25 (1
25
0