TASK ON DECISION STATEMENTS

The Step & Dice Game:

The step & dice game has steps like arrangement with 6 steps. on every step there is a

bowl kept which contains a cash price. The player must roll a 6 faced dice, and what

ever number is seen on top of the dice when stopped should be entered. This decides

what is the cash price the player has won. every step is having a number starting from

bottom is 1 and the top most step is 6. the cash price kept in bowls of each step is as follows:

step 1: 500

step 2: 600

step 3: 700

step 4: 800

step 5: 900

step 6: 1000

if the player gets a step on the top he will be winning the cash price of the step selected

as well as all the steps present below. Design the game app such that it should read the

dice number from the player and displays the total cash price won by the Player. if any invalid number entered return -1.

For Example:

Input: 2

Cash Price won: 1100

Input: 3

Output: Cash Price won1800

The Shipping Cost Management Tool:

Write a program to determine the cost of a shipping package based on its weight and destination zone. The program should ask the user to enter the weight of the package and the destination zone represented by a single character (A, B, or C). The shipping rates are as follows:

Zone A: $5.00 per pound

Zone B: $7.00 per pound

Zone C: $10.00 per pound

However, there are special discounts based on weight:

If the weight of the package is less than or equal to 10 pounds, apply a 10% discount.

If the weight of the package is between 11 and 20 pounds, apply a 15% discount.

If the weight of the package is greater than 20 pounds, apply a 20% discount.

The program should calculate and display the total shipping cost after applying any discounts.

Case 1: Calculate shipping cost for a package weighing 5 pounds going to zone A.

Expected Result:

Total shipping cost should be $4.50 = (5 * 5.00 * 0.90).

Case 2: Calculate shipping cost for a package weighing 12 pounds going to zone B.

Expected Result:

Total shipping cost should be $71.40 = (12 * 7.00 * 0.85).