**INTODUCTION TO COMPUTING ASSIGNMENT**



**Reg. No. : 2022 - CS -143**

**Class: Section C**

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Title:

**Discount management system**

PROBLEM DEFINITION:

**To calculate discount of given the given day.**

## Solution:

**Take day and amount as input from the user. If the day is Sunday then deduct 10% from the user otherwise output the original amount**

## Flow chart:-

**OUTPUT AMOUNT**

**Amount=amount-(amount\*0.10)**

**day==Sunday**

**START**

**INPUT DAY**

**AND AMOUNT**

**,**

**STOP**

**YES**

**NO**

PSEUDO CODE:

**Step1:**

Start**.**

**Step2:**

Take a DAY name & an AMOUNT as input from the user.

**Step3:**

If (DAY is Sunday).

**Step4:**

Then deduct 10% from the amount.

**Step5:**

If (DAY is not Sunday).

### Step5:

There will be no discount in the amount.

### Step6:

Output amount.

**Step7:**

Stop.

Calculations:

Amount =amount-(amount\*0.10)

## solution in c++ :-

**#include<iostream>**

**using namespace std;**

**main()**

**{**

**int amount;**

**string day;**

**cout <<"ENTER PURCHASE RATE=";**

**cin >>amount;**

**cout<<"ENTER THE DAY=";**

**cin >>day;**

**{**

**if(day=="Sunday")**

**{**

**amount =amount-(amount\*0.10);**

**cout<<"TOTAL PURCHASE RATE="<<amount;**

**}**

**}**

Dry run:

**INPUT:**

**Day= Sunday**

**Amount= 1000**

**CONDITION:**

**day==Sunday**

**OUTPUT:**

**Amount=900**