// Sheet2Ex1.cpp : Defines the entry point for the console application.

#include"stdafx.h"

usingnamespace **std;**

int **\_tmain(**int **argc, \_TCHAR\* argv[])**

{

double  **price, discount = 0.0, discountRate = 10.0;**

**cout <<** "Enter price of item : ";

**cin >> price;**

if **( price >= 100 )**

**{**

**discount = price \* discountRate / 100;**

**}**

**cout <<** "The discount on this item is " **<< fixed**

**<< setprecision(2) << discount << endl;**

return **0;**

}

// Sheet2Ex2.cpp : Defines the entry point for the console application.

#include"stdafx.h"

usingnamespace **std;**

int **\_tmain(**int **argc, \_TCHAR\* argv[])**

{

double **stdCharge = 20.00, unitCharge = 0.05, bill;**

int **previousReading , presentReading;**

**cout <<** "Enter previous and present meter readings : ";

**cin >> previousReading >> presentReading;**

if **( presentReading < previousReading )**

**{**

**presentReading += 10000;**

**}**

**bill = stdCharge + ( presentReading - previousReading ) \* unitCharge;**

**cout <<** "Total cost is " **<< fixed << setprecision(2) << bill << endl;**

return **0;**

}

// Sheet2Ex3.cpp : Defines the entry point for the console application.

#include"stdafx.h"

usingnamespace **std;**

int **\_tmain(**int **argc, \_TCHAR\* argv[])**

{

int **value1, value2, temp;**

**cout <<** "Enter two values : ";

**cin >> value1 >> value2;**

if **( value1 < value2 )**

**{**

**temp = value1;**

**value1 = value2;**

**value2 = temp;**

**}**

**cout <<** "Guarenteed in ascending order are " **<< value1 <<** " then " **<< value2 << endl;**

return **0;**

}

// Sheet2Ex4andEx5.cpp : Defines the entry point for the console application.

#include"stdafx.h"

usingnamespace **std;**

int **\_tmain(**int **argc, \_TCHAR\* argv[])**

{

char **employeeType;**

double **taxFreeAllowance, taxRate = 41, annualSalary, hourlyRate;**

double **grossPay, taxDue, netPay;**

int **hoursWorked;**

**cout <<** "Enter your employee typw ( S or W ) :";

**cin >> employeeType;**

**cout <<** "Enter your annual tax free allowance :";

**cin >> taxFreeAllowance;**

if **( employeeType ==** 'S' **)**

**{**

**cout <<** "Enter your annual salary :";

**cin >> annualSalary;**

**grossPay = annualSalary / 12;**

**taxDue = ( grossPay - taxFreeAllowance/12 ) \* taxRate / 100;**

**netPay = grossPay - taxDue;**

**}**

else

**{**

**cout <<** "Enter your hourly rate of pay :";

**cin >> hourlyRate;**

**cout <<** "Enter number of hours worked :";

**cin >> hoursWorked;**

**grossPay = hourlyRate \* hoursWorked;**

if **( hoursWorked > 40 )**

**{**

**grossPay += ( hoursWorked - 40 ) \*hourlyRate \* 0.5;**

**}**

**taxDue = ( grossPay - taxFreeAllowance/52 ) \* taxRate / 100;**

**netPay = grossPay - taxDue;**

**}**

**cout <<** "Your pay will be " **<< fixed << setprecision(2) << netPay << endl;**

return **0;**

}

// SheetEx6and Ex7.cpp : Defines the entry point for the console application.

#include"stdafx.h"

usingnamespace **std;**

int **\_tmain(**int **argc, \_TCHAR\* argv[])**

{

int **age, penaltyPoints;**

double **premium, loading = 25;**

**cout <<** "Enter age and number of penalty points you have :";

**cin >> age >>penaltyPoints;**

if **( age < 21 || penaltyPoints >= 4 )**

**{**

**cout <<** "You are not eligible for insurance\n";

**}**

else

**{**

**cout <<** "Enter basic premium :";

**cin >> premium;**

if **( age < 25 || penaltyPoints > 2 )**

**{**

**premium \*= (1 + loading/100);**

**}**

**cout <<** "Your actual premium will be " **<< premium << endl;**

**}**

return **0;**

}

// SheetEx8.cpp : Defines the entry point for the console application.

#include"stdafx.h"

usingnamespace **std;**

int **\_tmain(**int **argc, \_TCHAR\* argv[])**

{

double **loan, rate;**

**cout <<** "Enter value of loan :";

**cin >> loan;**

if **( loan < 1000 )**

**rate = 5;**

elseif **( loan < 5000 )**

**rate = 5.5;**

elseif **( loan < 10000 )**

**rate = 6.5;**

else

**rate = 8;**

**cout <<** "Applicable rate is " **<< rate <<** '%' **<< endl;**

return **0;**

}

// SheetEx9.cpp : Defines the entry point for the console application.

#include"stdafx.h"

usingnamespace **std;**

int **\_tmain(**int **argc, \_TCHAR\* argv[])**

{

int **month;**

**cout <<** "Enter a month number : ";

**cin >> month;**

switch **( month )**

**{**

case **1:**

**cout <<** "January\n";

break;

case **2:**

**cout <<** "Febuary\n";

break;

case **3:**

**cout <<** "March\n";

break;

case **4:**

**cout <<** "April\n";

break;

case **5:**

**cout <<** "May\n";

break;

case **6:**

**cout <<** "June\n";

break;

case **7:**

**cout <<** "July\n";

break;

case **8:**

**cout <<** "August\n";

break;

case **9:**

**cout <<** "September\n";

break;

case **10:**

**cout <<** "October\n";

break;

case **11:**

**cout <<** "November\n";

break;

case **12:**

**cout <<** "December\n";

break;

default:

**cout <<** "No such month number\n";

**}**

return **0;**

}

// SheeetEx10.cpp : Defines the entry point for the console application.

#include"stdafx.h"

usingnamespace **std;**

int **\_tmain(**int **argc, \_TCHAR\* argv[])**

{

int **month;**

**cout <<** "Enter a month number : ";

**cin >> month;**

switch **( month )**

**{**

case **2:**

case **3:**

case **4:**

**cout <<** "Spring\n";

break;

case **5:**

case **6:**

case **7:**

**cout <<** "Summer\n";

break;

case **8:**

case **9:**

case **10:**

**cout <<** "Autumn\n";

break;

case **11:**

case **12:**

case **1:**

**cout <<** "Winter\n";

break;

default:

**cout <<** "No such month number\n";

**}**

return **0;**

}