Assignment 13 C Language Live Community Classes

1. //Write a program which takes the month number as an input and display number of days in that month.

#include <stdio.h>

#include <stdlib.h>

int main()

{

int month;

while (1){

printf("Enter a month (in numeric) : ");

scanf("%d", &month);

switch (month)

{

case 1:

printf("1st month is January.\n");

break;

case 2:

printf("2nd month is February.\n");

break;

case 3:

printf("3rd month is March.\n");

break;

case 4:

printf("4th month is April.\n");

break;

case 5:

printf("5th month is May.\n");

break;

case 6:

printf("6th month is June.\n");

break;

case 7:

printf("7th month is July.\n");

break;

case 8:

printf("8th month is August.\n");

break;

case 9:

printf("9th month is September.\n");

break;

case 10:

printf("10th month is October.\n");

break;

case 11:

printf("11th month is November.\n");

break;

case 12:

printf("12th month is December.\n");

break;

case 13:

exit(0);

default:

printf("Wrong input. Please try again.\n");

printf("Enter 13 to exit.\n");

break;

}

}

return 0;

}

1. /\* Write a menu driven program with the following options:

a. Addition

b. Subtraction

c. Multiplication

d. Division

e. Exit \*/

#include <stdio.h>

#include <stdlib.h>

int main(){

char choice;

int num1, num2, addition, subtraction, multiplication;

float division;

while (1){

printf("------------------------------------");

printf("\na. Addition");

printf("\nb. Subtraction");

printf("\nc. Multiplication");

printf("\nd. Division");

printf("\ne. Exit\n");

printf("------------------------------------\n");

printf("\nEnter your choice : \n");

scanf("%c", &choice);

switch (choice)

{

case 'a':

printf("Enter two numbers : ");

scanf("%d %d", &num1, &num2);

addition = num1 + num2;

printf("The addition of %d and %d is %d.\n", num1, num2, addition);

break;

case 'b':

printf("Enter two numbers : ");

scanf("%d %d", &num1, &num2);

subtraction = num1 - num2;

printf("The addition of %d and %d is %d.\n", num1, num2, subtraction);

break;

case 'c':

printf("Enter two numbers : ");

scanf("%d %d", &num1, &num2);

multiplication = num1 + num2;

printf("The addition of %d and %d is %d.\n", num1, num2, multiplication);

break;

case 'd':

printf("Enter two numbers : ");

scanf("%d %d", &num1, &num2);

addition = num1 + num2;

printf("The addition of %d and %d is %f.\n", num1, num2, division);

break;

case 'e':

exit(0);

default:

printf("Wrong input. Please try again.\n");

printf("\nEnter e to exit.\n");

break;

}

}

return 0;

}

1. //Write a program which takes the day number of a week and displays a unique greeting message for the day.

#include <stdio.h>

int main(){

int day;

printf("Enter the day (in numeric): ");

scanf("%d", &day);

switch (day){

case 1:

printf("Monday morning");

break;

case 2:

printf("Terrific Tuesday");

break;

case 3:

printf(" Great Wednesday");

break;

case 4:

printf("Blessed Thursday");

break;

case 5:

printf("Happy Friday");

break;

case 6:

printf("Peaceful Saturday");

break;

case 7:

printf("Cheerful Sunday");

break;

default:

printf("Wrong Choice.");

break;

}

return 0;

}

1. /\* Write a menu driven program with the following options:

a. Check whether a given set of three numbers are lengths of an isosceles

triangle or not

b. Check whether a given set of three numbers are lengths of sides of a right

angled triangle or not

c. Check whether a given set of three numbers are equilateral triangle or not

d. Exit

\*/

#include <stdio.h>

#include <stdlib.h>

int main()

{

int side1, side2, side3, perpendicular, base, hypotenuse;

int hypSquare, baseSquare, perpSquare, sumOfTwoSides;

char choice;

printf("-----------------------------------------------------------------------------");

printf("\na. Check whether a given set of three numbers are lengths of an isosceles triangle or not. ");

printf("\nb. Check whether a given set of three numbers are lengths of sides of a right angled triangle or not. ");

printf("\nc. Check whether a given set of three numbers are equilateral triangle or not. ");

printf("\nd. Exit\n");

printf("-----------------------------------------------------------------------------\n");

printf("\nEnter your choice : \n");

scanf("%c", &choice);

switch (choice){

case 'a':

printf("Enter the sides of traingle : ");

scanf("%d %d %d", &side1, &side2, &side3);

if (side1==side2 || side1==side3 || side2==side3){

printf("Isoceles Triangle");

}

break;

case 'b':

printf("Enter the base, perpendicular and hypotenuse of traingle : ");

scanf("%d %d %d", &base, &perpendicular, &hypotenuse);

hypSquare = hypotenuse \* hypotenuse;

baseSquare = base \* base;

perpSquare = perpendicular \* perpendicular;

sumOfTwoSides = baseSquare + perpSquare;

if (hypSquare == sumOfTwoSides){

printf("Right Triangle");

}

break;

case 'c':

printf("Enter the sides of traingle : ");

scanf("%d %d %d", &side1, &side2, &side3);

if (side1 == side2 && side1 == side3 && side2 == side3){

printf("Equilateral Triangle.");

}

break;

case 'd':

exit(0);

default:

printf("Wrong input. Please Try again.");

break;

}

return 0;

}