Assignment-13: switch case control

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

2. Write a menu driven program with the following options:

1. Addition

2. Subtraction

Multiplication

4. Division

5. Exit

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

4. Write a menu driven program with the following options

1. Check whether a given set of three numbers are lengths of an isosceles triangle or not

2. Check whether a given set of three numbers are lengths of sides of a right angled triangle or not

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

4. Exit

5. Convert the following if-else-if construct into switch case:

if/var == 1)

printf("good");

else if/var == 2)

printf("better");

else if(var == 3)

printf("'best");

else printf("invalid";

1

#include<stdio.h>

#include<stdlib.h>

int main(){

int n;

while(1){

printf("\n");

printf("\n1. JANUARY\n2. FEBRUARY\n3. MARCH\n4. APRIL\n5. MAY\n6. JUNE\n7. JULY\n8. AUGUST\n9. SEPTEMBER\n10. OCATOBER\n11. NOVEMBER\n12. DECEMBER\n13. Exit\n");

printf("Press The Number of Month: ");

scanf("%d",&n);

printf("\n");

switch(n){

case 1:

printf("Total Days in this Month 31");

break;

case 2:

printf("Total Days in this Month 28 or 29");

break;

case 3:

printf("Total Days in this Month 31");

break;

case 4:

printf("Total Days in this Month 30");

break;

case 5:

printf("Total Days in this Month 31");

break;

case 6:

printf("Total Days in this Month 30");

break;

case 7:

printf("Total Days in this Month 31");

break;

case 8:

printf("Total Days in this Month 31");

break;

case 9:

printf("Total Days in this Month 30");

break;

case 10:

printf("Total Days in this Month 31");

break;

case 11:

printf("Total Days in this Month 30");

break;

case 12:

printf("Total Days in this Month 31");

break;

case 13:

exit(0);

break;

default :

printf("Invalid Press key.");

}

}

}

2

#include<stdio.h>

#include<stdlib.h>

int main(){

int n;

float a,b;

while(1){

printf("\n1. Addition\n2. Subtraction\n3. Multipication\n4. Division\n5. Exit\nPress the Key. ");

scanf("%d",&n);

switch(n){

case 1:

printf("Enter the two no. ");

scanf("%f %f",&a,&b);

printf("Add is %.2f",a+b);

break;

case 2:

printf("Enter the two no. ");

scanf("%f %f",&a,&b);

printf("Subtract is %.2f",a-b);

break;

case 3:

printf("Enter the two no. ");

scanf("%f %f",&a,&b);

printf("Multiply is %.2f",a\*b);

break;

case 4:

printf("Enter the two no. ");

scanf("%f %f",&a,&b);

printf("Divide is %.2f",a/b);

break;

case 5:

exit(0);

break;

default :

printf("Invalid Press Key.");

}

printf("\n");

}

}

3

#include<stdio.h>

#include<stdlib.h>

int main(){

int n;

while(1){

printf("\n1. Monday\n2. Tusday\n3. Wednesday\n4. Thursday\n5. Friday\n6.Saturday\n7. Sunday\n8. Exit\n\n Press the key ");

scanf("%d",&n);

printf("\n");

switch(n){

case 1:

printf("Have a good day");

break;

case 2:

printf("Have a Nice day");

break;

case 3:

printf("Have a Beautifull day");

break;

case 4:

printf("Have a wonderfull day");

break;

case 5:

printf("Have a very good day");

break;

case 6:

printf("Have a Excellent good day");

break;

case 7:

printf("Have a Holiday day");

break;

case 8:

exit(0);

break;

default :

printf("Your press key is Invalid . ");

}

printf("\n");

}

}

4

#include<stdio.h>

#include<stdlib.h>

int main(){

int n,a,b,c;

while(1){

printf("\n1. Isosceles Triangle\n2. Right Triangle\n3. Equilateral Triangle\n4. Exit\n Enter your choice ");

scanf("%d",&n);

printf("\n");

switch(n){

case 1:

printf("Enter the three no.");

scanf("%d %d %d",&a,&b,&c);

if(a==b||b==c||c==a)

printf("Isosceles Triangle ");

else

printf("Not Isosceles Triangle");

break;

case 2:

printf("Enter the three no.");

scanf("%d %d %d",&a,&b,&c);

if(a\*a==b\*b+c\*c||b\*b==a\*a+c\*c||c\*c==a\*a+b\*b)

printf("Right Triangle");

else

printf("Invalid Right Triangle");

break;

case 3:

printf("Enter the three no.");

scanf("%d %d %d",&a,&b,&c);

if(a==b==c)

printf("Equilateral Triangle");

else

printf("Not Equilateral Triangle");

break;

case 4:

exit(0);

break;

default :

printf("Your entered Invalid choice");

}

printf("\n");

}

}

8