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23.1

# PRACTICAL 04

//Q1

#include <stdio.h>

int main()

{

int n1;

printf("Enter number=");

scanf("%d",&n1);

if(n1%2==0)

{

printf("Entered number is an even number");

}else{

printf("Entered number is an odd number");

}

printf("\n\n");

int n2;

printf("Enter number=");

scanf("%d",&n2);

switch(n2%2)

{

case 0:printf("It is even");break;

case 1:printf("It is odd");break;

}}

//Q2

#include <stdio.h>

int main()

{

int n1,n2;

char operator;

int ans;

printf("Select any operator(+,-,\,\*)");

scanf("%c",&operator);

printf("Enter two numbers");

scanf("%d %d",&n1,&n2);

switch(operator)

{

case '+':ans=(n1+n2);break;

case '-':ans=(n1-n2);break;

case '/':ans=(n1/n2);break;

case '\*':ans=(n1\*n2);break;

default:printf("The operator is not in the list");

}

printf("Answer is= %d",ans);

}

//Q3

#include <stdio.h>

int main()

{

float r;

char operator;

float f=3.14,ans;

printf("Select '+' if you want to calculate the circumference \n");

printf("Select '-' if you want to calculate the Area \n");

printf("Select '\' if you want to calculate the Volume \n");

scanf("%c",&operator);

printf("Enter the radius");

scanf("%f",&r);

switch(operator)

{

case '+':ans=(2\*f\*r);break;

case '-':ans=(r\*r);break;

case '/':ans=(3/4\*r\*r\*r);break;

default:printf("The operator is not in the list");

}

printf("Answer is= %f",ans);

}

//Q4

#include <stdio.h>

int main()

{

char a;

printf("Enter a character=");

scanf("%c",&a);

switch(a)

{

case 'a':printf("a is vowel");break;

case 'e':printf("e is vowel");break;

case 'i':printf("i is vowel");break;

case 'o':printf("o is vowel");break;

case 'u':printf("u is vowel");break;

default:printf("%c is not a vowel",a);

}

}

//Q5

#include <stdio.h>

int main()

{

int m;

printf("Enter a month=");

scanf("%d",&m);

switch(m)

{

case 1:

case 3:

case 5:

case 7:

case 8:

case 10:

case 12:

printf("Number of days: 31\n");break;

case 4:

case 6:

case 9:

case 11:

printf("Number of days: 30\n");break;

case 2:

printf("Number of days: 28\n");break;

default:

printf("Invalid month number!");

}

}