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20)table between numbers

1)even or odd

#include<stdio.h>

int main(){

int n;

printf("enter the number");

scanf("%d",&n);

if(n%2==0)

{

printf("number is even ");

}

else{

printf("number is odd");

}

return 0;

}

2)voter id

#include<stdio.h>

int main(){

int age;

printf("enter the age ");

scanf("%d",&age);

if(age>=18)

{

printf("age is vaild for voter id");

}else

{

printf("age is not vaild for voter id");

}

return 0;

}

3)five number max

#include<stdio.h>

int main(){

int num1,num2,num3,num4,num5;

printf("enter the num1");

scanf("%d",&num1);

printf("enter the num2");

scanf("%d",&num2);

printf("enter the num3");

scanf("%d",&num3);

printf("enter the num4");

scanf("%d",&num4);

printf("enter the num5");

scanf("%d",&num5);

if(num1>num2 && num1>num3 &&num1>num4 && num1>num5)

{

printf("num1 is greater");

}

else if(num2>num1 && num2>num3 && num2>num4 && num2&&num5)

{

printf("num2 is greater");

}

else if(num3>num1 && num3>num2 && num3>num4 && num3>num5)

{

printf("num3 is greater");

}

else if(num4>num1 && num4>num2 && num4>num3 && num4>num5)

{

printf("num4 is greater");

}

else if(num5>num1 && num5>num2 && num5>num3 && num5>num4 )

{

printf("num5 is greater");

}

else

{printf("not match");

}

return 0;

}

4)gender

#include<stdio.h>

int main(){

char alpha;

printf("enter the character");

scanf("%c",&alpha);

if(alpha='m')

{

printf("male");

}

else if(alpha='f')

{printf("female");

}

else

{

printf("not match");

}

return 0;

}

5)vowel and consonant

#include<stdio.h>

int main(){

char alpha;

printf("enter the char");

scanf("%c",&alpha);

if(alpha=='a'|| alpha=='e' || alpha=='i' || alpha=='o' || alpha=='u' )

{

printf("vowel");

}

else

{

printf("cononant");

}

return 0;

}

6)month

#include<stdio.h>

int main(){

int number;

printf("enter the number ");

scanf("%d",&number);

if(number==1){

printf("January");

}

else if(number==2){

printf("February");

}

else if(number==3)

{

printf("March");

}

else if(number==4)

{

printf("April");

}

else if(number==5)

{

printf("May");

}

else if(number==6)

{

printf("June");

}

else if(number==7)

{

printf("July");

}

else if(number==8)

{

printf("August");

}

else if(number==9)

{

printf("September");

}

else if(number==10)

{

printf("October");

}

else if(number==11)

{

printf("November");

}

else if(number==12)

{

printf("December");

}

else{

printf("this is not month");

}

return 0;

}

7)two number maximum

#include<stdio.h>

int main(){

int a,b;

printf("enter the number a ");

scanf("%d",&a);

printf("enter the number b ");

scanf("%d",&b);

if(a>b)

{

printf("a is maximun");

}else

{

printf("b is maximun");

}

return 0;

}

8)area and volume nested if

#include <stdio.h>

int main()

{

char alpha;

printf("enter the character ");

scanf(" %c",&alpha);

if(alpha=='A')

{

// it show area

char alpha1;

printf("enter the character ");

scanf(" %c",&alpha1);

if(alpha1=='t')

// tringle

{

float base, height, area;

printf("Enter the base of the triangle: ");

scanf("%f", &base);

printf("Enter the height of the triangle: ");

scanf("%f", &height);

area=0.5\*base\*height;

printf("%f",area);

}

else if(alpha1=='s')

// square

{

float side, area;

printf("Enter the side length of the square: ");

scanf("%f", &side);

area = side \* side;

printf("%f",area);

}

else if(alpha1=='r')

// rectangle

{

float length, width, area;

printf("Enter the length of the rectangle: ");

scanf("%f", &length);

printf("Enter the width of the rectangle: ");

scanf("%f", &width);

area = length \* width;

printf("%f",area);

}

}

if(alpha=='V')

{

char alpha2;

printf("enter the character ");

scanf(" %c",&alpha2);

if(alpha2=='t')

{

float basearea, height, volume;

printf("Enter the basearea of the triangle: ");

scanf("%f",&basearea);

printf("Enter the height of the triangle: ");

scanf("%f", &height);

volume=basearea\*height;

printf("%f",volume);

}

else if(alpha2=='s')

{

float side, volume;

printf("Enter the side length of the cube: ");

scanf("%f", &side);

volume = side \* side \* side;

printf("%f",volume);

}

else if(alpha2=='r')

{

float length, width, height, volume;

printf("Enter the length of the rectangular: ");

scanf("%f", &length);

printf("Enter the width of the rectangular : ");

scanf("%f", &width);

printf("Enter the height of the rectangular : ");

scanf("%f", &height);

volume = length \* width \* height;

printf("%f",volume);

}

else

{

printf("not match");

}

}

return 0;

}

9)while loop :

number print

#include<stdio.h>

int main()

{

int n=1;

while(n<=10)

{

printf("%d",n);

n++;

}

return 0;

}

#include<stdio.h>

int main()

{

int n=1;

int sum;

while(n<=10){

sum=sum+n;

n++;

}

printf("%d",sum);

return 0;

}

10)reverse number :digit reverse :dry run

number reverse:

453 🡪 354

#include <stdio.h>

int main()

{

int num=453;

int sum=0;

int rem;

while(num>0){

rem=num%10;

sum=sum\*10+rem;

num=num/10;

}

printf("%d ",sum);

return 0;

}

11)pallindrome number :dry run

#include <stdio.h>

int main()

{

int num=89598;

int sum=0;

int rem;

int temp=num;

while(num>0){

rem=num%10;

sum=sum\*10+rem;

num=num/10;

}

printf("%d ",sum);

if(temp==sum){

printf("pallindrome");

}else {

printf("not");

}

return 0;

}

12)arsmtrong number :dry run

#include <stdio.h>

int main()

{

int num=153;

int sum=0;

int rem;

int temp=num;

while(num>0){

rem=num%10;

sum=sum+rem\*rem\*rem;

num=num%10;

}

if(temp==sum)

{

printf("armstrong");

}else

{

printf("not");

}

return 0;

}

13)count digit :dry run

#include <stdio.h>

int main()

{

int num=452;

int count=0;

while(num>0){

num=num/10;

count++;

}

printf("%d",count);

return 0;

}

14)table print

#include <stdio.h>

int main()

{

int i;

int n;

printf("enter the number ");

scanf("%d",&n);

for(i=1;i<=10;i++)

{

printf("%d ",n\*i);

}

return 0;

}

15)even and odd in loop

#include <stdio.h>

int main()

{

int i;

for(i=1;i<=10;i++)

{

if(i%2!=0)

{

printf("%d ",i);

}

}

return 0;

}

* Factorial:

#include<stdio.h>

int main(){

int n=5;

int fact=1;

for(int i=1;i<=n;i++){

fact=fact\*i;

}

printf("%d",fact);

return 0;

}

N=5 fact=1

I=1 i<=n

Fact\*i=1\*1=1

1. Fact=1 i=2 n =5

Fact\*2\*i=1\*2=2

1. Fact=2 i=3

2\*3=6

1. Fact=6 i=4

6\*4=24

1. Fact=24 i=5

24\*5= 120

Fibonacci series:

0 1 1 2 3 5 8…

#include<stdio.h>

int main(){

int n=5;

int n1=0,n2=1,n3;

printf("%d %d ",n1,n2);

for(int i=1;i<=5;i++)

{

n3=n1+n2;

printf("%d ",n3);

n1=n2;

n2=n3;

}

return 0;

}.