1.#include <stdio.h>

int main()

{

char char1 = 'P';

char char2 = 'P';

char char3 = 'S';

printf("The reverse of %c%c%c is %c%c%c\n",

char1, char2, char3,

char3, char2, char1);

return(0);

}

2.#include <stdio.h>

int width;

int height;

int area;

int perimeter;

int main() {

height = 7;

width = 5;

perimeter = 2\*(height + width);

printf("Perimeter of the rectangle = %d inches\n", perimeter);

area = height \* width;

printf("Area of the rectangle = %d square inches\n", area); return(0);

}

3.

#include <stdio.h>

int main()

{

printf("int is %2d bytes \n", sizeof(short int));

printf("long int is %2d bytes \n", sizeof(long int));

printf("float is %2d bytes \n", sizeof(float));

printf("double is %2d bytes \n", sizeof(double));

printf("long double is %2d bytes \n", sizeof(long double));

printf("char is %2d bytes \n", sizeof(char));

return 0;

}

4.#include<stdio.h>

void main()

{

float p,r,t,si;

printf("Enter principal,rate and time:");

scanf("%f%f%f",&p,&r,&t);

si=(p\*r\*t)/100;

printf("\nSimple Interest = %f",si);

}

5.#include<stdio.h>

void main()

{

int a;

long b;

short c;

float d;

long double e;

printf("enter int") ;

scanf(%d, &a) ;

printf(a) ;

printf("enter short") ;

scanf(%d, &b) ;

printf(b) ;

printf("enter double") ;

scanf(%lf, &c) ;

printf(c) ;

printf("enter float") ;

scanf(%f, &d) ;

printf(d) ;

printf("enter long double") ;

scanf(%Lf, &e) ;

printf(e) ;

}

6.#include <stdio.h>

int main() {

int inputDays, years, months, weeks, days;

printf("Enter number of Days\n");

scanf("%d", &inputDays);

years = inputDays/365;

inputDays = inputDays - years\*365;

months = inputDays/30;

inputDays = inputDays - months\*30;

weeks = inputDays/7;

inputDays = inputDays - weeks\*7;

days = inputDays;

printf("Years : %d\n", years);

printf("Months : %d\n", months);

printf("Weeks : %d\n", weeks);

printf("Days : %d", days);

return 0;

}

7.#include

using namespace std;

int main()

{

int a,b,c;

int s,p,a;

cout<<"Enter the numbers<cin>>a,b,c;

s=a+b+c;

p=a\*b\*c;

a=a+b+c/3;

cout<return 0;

}

8.include<stdio.h>

int avg(int,int,int);

int main()

{

int a,b,c;

printf("enter the three value ");

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

avg(a,b,c);

return 0;

}

int avg(int a, int b, int c)

{

float average;

average=(a+b+c)/3.0;

printf("average=%f",average);

return average;

}

9.#include <stdio,h>

Int main()

{

Char id[10];

Int hour;

Double value,salary;

printf(“Input the employees ID : “);

Scanf (“%s”,&id);

printf(“\nInput the working hours : “);

Scanf (“%d”,&hour);

printf(“\nsalary amount/hour: “);

Scanf (“%if”,&value);

salary=value\*hour;

printf(“\n employees id =%s\nsalary=u$%.21f\n”,id,salary);

Return 0;

}

10.#include<stdio.h>

Int main()

{

Int dist,fuel;

Float avg;

printf(“Input the total distance : “);

scanf(“%d”,&dist);

printf(“total fuel spent in liters : “);

scanf(“%d”,&fuel);

avg=dist/fuel;

printf(“Average consumption : %.2f “, avg);

Return 0;

}

11.#include<stdio,h>

Int main()

{

Float a,b,c,d,distance;

printf(“Enter point 1 (a,b) \n : “);

scanf(“%f%f”,&a,&b);

printf(“Enter point 2 (b,c) \n : “);

scanf(“%f%f”,&b,&c);

distance-sqrt((b-a)\*(b-a)+(c-d)\*(c-d));

printf(“distance between (%0.2f,%0.2f) and (%0.2f,%0.2f) is %0.2f\n”,a,b,c,d,distance);

Return 0;

}

12.#include<stdio,h>

Int main()

{

Float celsius,fahrenheit;

printf(“Enter temperature in fahrenheit : “);

scanf(“%f”,& fahrenheit);

celsius=(fahrenheit-32)\*5/9;

printf(“\ncelsius=%.3f”,celsius);

}

13.#include<stdio,h>

Int main()

{

Int sec,h,m,s;

printf(“input seconds : “);

scanf (“%d”,$sec);

h=(sec/3600);

m=(sec-(3600\*h))/60;

s=(sec-(3600\*h)-(m\*60)):

printf(“5d%d%d\n”,h,n,s);

Return 0;

}

14.#include<stdio,h>

Int main()

{

Int ndays,y,m,d;

printf(“input no .of days : “);

scanf(“%d”,&ndays);

y=(int)ndays/365;

ndays=days-(365\*y);

m=(int)ndays/30;

d=(int)ndays-(m\*30);

printf(‘%d year(s) \n %d month(s) \n %d day(s) “,y,m,d);

Return 0;

}

15.#include<stdio,h>

Int main()

{

Int i,

Numbers[5] ,

total=0,

count=0;

Float average;

printf(“\n first number : “);

scanf(“%d”,&numbers[0]);

printf(“\n second number : “);

scanf(“%d”,&numbers[1]);

printf(“\n third number : “);

scanf(“%d”,&numbers[2]);

printf(“\n fourth number : “);

scanf(“%d”,&numbers[3]);

printf(“\n fifth number : “);

scanf(“%d”,&numbers[4]);

for(i=0;i<5;i++){

if(numbers[i]>0)(

Count++;

total+=numbers[i];

}

}

average =total/count;

printf(“\n the no on positive numbers : %d\n”,count);

printf(“\n th average of all positive values : %.2f\n”, average);

Return 0;

}

16.#include<stdio,h>

Int main()

{

Int sumpositive,sumnegative;

Int n,c=1;

Int main() {

Printf (“Enter positive integers:\n”);

scanf(“%d”,&n);

for(c=1;c<=n;c++){

scanf(“%d”,&n);

Sumpositive+n;}

printf(“the value of positive numbers is %d”, sumpositive);

Return 0;

}

17. #include<stdio,h>

Int main()

{

Float cm,meter,km;

printf(“Enter length in centimeter : “);

scanf(“%f”,%cm);

Meter = cm/100.0;

km=cm/100000.0;

printf(“length in meter =%.2f m\n”,meter):

printf(“length in kilometer=%.2f km”,km);

Return 0;

}

18.#include<stdio.h>

Void main()

{

Int sec,HH:MM:SS;

printf(“input seconds Sn: “);

scanf(“%d”,&sec):

HH=(sec/3600);

MM=(sec-(3600\*h))/60;

SS=(sec-3600\*h)-(m\*60));

printf(“HH:MM:SS=%d%d%d\n”,HH,MM,SS);

}

19.#include <stdio.h>

int main()

{

int Number, LastDigit;

printf("\n Please Enter any Number that you wish : ");

scanf("%d", & Number);

LastDigit = Number % 10;

printf(" \n The Last Digit of a Given Number %d = %d", Number, LastDigit);

return 0;

}

20.#include<stdio.h>

Void main ()

{

Int arr[10],i,pos;

for(i=0;i<10;i++)

{

printf(“Enter the element : “);

scanf(“%d”,&arr[i]);

}

printf(“enter the pos to delete : “);

scanf(“%d”,&pos);

For (i=pos-1;i<arr[10]-1;i++)

{

arr[i]=arr[i+1]

}

Size--;

printf(“element after deleting : \n);

for(i=0;i<arr[10];i++){

printf(“%d\t”,arr[i]);

}

}

21.#include<stdio.h>

Int main()

{

Int num1,num2,product=0;

printf(“Enter two numbers : “);

scanf(“%d %d”,&num1,&num2):

while(num2>0)

{

product=product+num1;

Num2--;

}

printf(“the product is : %d”,product);

Return 0;

}

22.#include<stdio.h>

Int main ()

{

Int a,b;

printf(“Enter the values of a and b : “);

scanf(“%d %d”,&a,&b);

printf(“Before swap a=%d b=%d”,a,b);

a=a+b;

b=a-b;

a=a-b;

printf(“\n After swap a=%d b=%d”,a,b);

Return 0;

}

23.#include<stdio,h>

Double cube(double num);

Int main()

{

Int num;

Double c;

printf(“Enter any number : “);

scanf(“%d”,&num);

c=cube(num);

printf(“Cube of %d is %.2f”,num,c);

Return 0;

}

Double cube(double num)

(

Return (num\*num\*num);

}

24.#include<stdio.h>

Int main()

{

Int feet,inches;

printf(“Enter the value of feet : “);

scanf(“%d”,&feet);

inches=feet\*12;

printf(“Total inches will be : %d\n”,inches);

Return 0;

}

25.#include<stdio.h>

Int main ()

{

Int count=0;

Int num;

Int arr[100],i=0;

while(num!=-1){

printf(“Enter an integer num (-1 to exit ): “);

count+=scanf(“%d”,&num);

arr[i++]=num;

}

printf(“\n total inputs : %d”,count);

printf(“Enter numbers are : \n”);

For (i=0;i<count;i++){

printf(“%d”,arr[i]);

}

printf(“\n”);

Return 0;

}

26.#include<stdio.h>

Int main ()

{

Float bs,hra,da,ga;

printf(“Enter basic salary\n”);

scanf(“%f”,&bs);

hra=ba\*(20/100.00);

da=bs\*(30/100.00);

ga=bs+hra+da;

printf(“gross salary = %f\n”,ga);

Return 0;

}

27.#include<stdio.h>

Int main ()

{

Int j,sum=0;

printf(“the first 10 natural num is :\n”);

For j,sum=0;

{

sum=sum+j;

printf(“%d”,j);

}

printf(“\n the sum is :%d\n”,sum);

}

28.#include<stdio.h>

Int main ()

{

Int a;

Int \*pt;

printf(“pointer example program : print pointer address\n”):

a=10;

pt=&a;

printf(“\n[a]:value of A=%d”,a);

printf(“\n[\*pt]:value of A=%d”,\*pt);

printf(“\n[&a]:adress of a=%p”,&a);

printf(\n[pt]:adress of a=%p”,pt);

printf(\n[pt]:adress of a=%p”,&pt);

printf(\n[pt]:value of pt=%p”,pt);

Return 0;

}

29.#include<stdio.h>

Int main ()

{

Int ang1,ang2 ,ang3;

printf(“input two angles of triangle separated by comma : “):

scanf(“%d,%d”,&ang1,&ang2);

ang3=180-(ang1+ang2);

printf(“third angle of triangle : %d\n”,ang3):

Return 0;

}

30.#include<stdio.h>

#include<math.h>

Int main()

{

Double a,b,c,discriminant,root1,root2,realpart,imapart;

printf(“Enter coefficients a,b,c : “);

scanf(“%lf %lf %lf”,&a,&b,&c);

discriminant=b\*b-4\*a\*c;

if(discriminant>0)

{

root1=(-b+sqrt(discriminant)/(2\*a);

root2=(-b-sqrt(discriminant)/(2\*a);

printf(“root1=root2=%.2lf”,root1);

}

Else if (discriminant==0)

{

root1=root2=-b/(2\*a);

printf(“root1=%.2lf+%.2lfi and root2=%,2f-%.2fi”,realpart,imagpart,realpart,imagpart);

}

Return 0;

}

31.#include<stdio.h>

#include<math.h>

Void main ()

{

printf(“ceil function: %f”,ceil(4.000001));

printf(“\n floor function :%f”,floor(4.000001));

printf(“\n square root function :%f”,sqrt(4.000001));

printf(“\n power function :%f”,pow(2,3));

printf(“\nabsolute function : %d”,abs(2));

}

32.#include<stdio.h>

#include<stdlib.h>

#include<time.h>

Void printrandoms(int lower,int upper,int count)

{

Int i;

for(i=0;i<count;i++)

{

Int num=(rand()%(upper-lower+1))+lower;

printf(“%d”,num);

}

}

Int main()

{

Int lower=5,upper=7,count=1;

srand(time(0));

Printrandom (lower,upper,count);

Return 0;

}

33.#include<stdio.h>

Int main ()

{

Char a=5,b=9;

printf(“a=%d,b=%d\n”,a,b);

printf(“a&b=%d\n”,a&b);

printf(“a|b=%d\n”,a|b);

printf(“a^b=%d\n”,a^b);

printf(“~a=%d\n”,a=~a);

printf(“b<<1=%d\n”,b<<1);

printf(“b>>1=%d\n”,b>>1);

Return 0;

}

34.#include<stdio.h>

Int main()  
 {

Int num,flippednumber;

printf(“Enter any number : “):  
 scanf(“%d”,&num);

flippednumber=~num;

printf(“Original number =%d(in decimal)\n”,num);

printf(“Number after bits are flipped =%d(in decimal)”,flippednumber);

Return 0;

}

35.#include<stdio.h>

Unsigned int countsetbits(unsigned int n)

{

Unsigned int count=0;

while(N)

{

count+=n&1;

n>>=1;

}

Return count;

}

Int main()

{

Int i=9;

printf(“%d”,countsetbits(i));

Return 0;

)

36.#include<stdio.h>

Int main()  
 {

Int num;

printf(“Enter any number: “);

scanf(“%d”,&num);

if(num & 1)

printf(“LSB of %d is set(1) “,num);

Else

printf(“LSB of %d is unset(0) “,num);

Return0;

}

37.#include<stdio.h>

Int setbit(int n,int k)

{

Return (n|(1<<(k-1)));

}

Int main()

{

Int n=5,k=1;

printf(“%d with %d-th bit set: %d\n”,n,k,setbit(n’k));

Return 0;

}

38.#include<stdio.h>

Int clearbit(int n,int k)

{

Return (n&(~(1<<(k-1)));

}

Int main()

{

Int n=5,k=1;

printf(“%d with %d-th bit cleared: %d\n”,n,k,clearbit(n’k));

Return 0;

}

39.#include<stdio.h>

Int togglebit(int n,int k)

{

Return (n^(1<<(k-1)));

}

Int main()

{

Int n=5,k=1;

printf(“%d with %d-th bit toggle: %d\n”,n,k,togglebit(n’k));

Return 0;

}

40.#include<stdio.h>

Int main()  
 {

Int num;

printf(“Enter any number : \n);

Scanf (“%d”,&num);

(num&1)?printf(“LSB of %d set(1).\n”,num):printf(“LSB of %d set(0).\n”,num);

Return 0;

}

41.#include<stdio.h>

Int main()  
 {

Int num,bit;

printf(“Enter the num and bit : “);

scanf(“%d %d”,&num,&bit);

if((num & 1)!=0);

{

printf(“%d is set “ ,bit );

}

Else

{

printf(“%d is reset “ ,bit );

}

Return 0;

}

42.#include <stdio.h>

int main()

{

int num1, num2, max;

printf("Enter two numbers: ");

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

max = (num1 > num2) ? num1 : num2;

printf("Maximum between %d and %d is %d", num1, num2, max);

return 0;

}

43. # include <stdio.h>

void main()

{

int a, b, c, big ;

printf("Enter three numbers : ") ;

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

big = a > b ? ( a > c ? a : c) : (b > c ? b : c) ;

printf("\nThe biggest number is : %d", big) ;

}

44.#include<stdio.h>

int main()

{

int a,b,c,d,max;

printf("Enter 4 numbers ::");

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

//max=(a>b)?((a>c)?(printf("%d",a... of three

printf("\n\nThe max out of the nos. are ::");

max=(a>b)?((a>c)?((a>d)?(printf(... ):(printf("%d",d) )):((c>d)?(printf("%d",c) ):(printf("%d",d) ))):((b>c)?((b>d)?(printf("%d",b) ):(printf("%d",d) )):((c>d)?(printf("%d",c) ):(printf("%d",d) )));

getch();

}

45.#include<stdio.h>

int main()

{

Int a;

printf(“Enter the num : );

scnaf(“%d”,&a);

if(a%2==0);

{

printf(“num is even”);

}

Else

{

printf(“num is odd”);

}

Return 0;

}

46.#include<stdio.h>

int main()

{

char ch;

printf("Enter any character: ");

scanf("%c",&ch);

(ch>=’a’ && ch<=’z’) || (ch>=’A’ && ch<=’Z’)

?printf("It is an Alphabet")

:printf("It is not an Alphabet");

Return0;

}

47.#include<stdio.h>

int main()

{

Char c;

Int is digit;

printf("Enter any character: ");

scanf("%c",&c);

digit=((c>=’0’) && (c<=’9’))?:0;

if(digit == 1)

printf(“%c is decimal digit \n”,c);

Else

printf(“%c is not decimal digit \n”,c);

Return 0;

}

48.#include<stdio.h>

int main()

{

Char name [40];

Char gender;

printf(“Enter name : “);

scanf(“%c”,&gender);

get{name);

printf(“Enter gender (M/F): “);

scanf(“%c”,&gender);

if(gender==’m’||gender==’M’)

printf(“Hello Mr. %s.\n”,name):

Else if(gender==’f’||gender==’F’)

printf(“Hello Miss %s.\n”,name):

Else

printf(“Hello N/A %s.\n”,name):

Return 0;

}

49.#include<stdio.h>

int main()

{

Int a;

printf(“Enter the num : );

scnaf(“%d”,&a);

if(a>0);

{

printf(“%d is positive”,a);

}

Else if(a<0)

{

printf(“%d is negative”,a);

}

Else if(a==0)

{

printf(“%d is zero”,a);

}

Return 0;

}

50.#include<stdio.h>

int main()

{

int num;

printf("Enter an integer: ");

scanf("%d",&num);

if ( num%2 == 0 )

printf("%d is an even number", num);

else printf("%d is an odd number", num);

return 0;

}

51.#include<stdio.h>

int main()

{

Int age;

printf(“Enter age of person : “);

scanf(“%d”,&age);

if(age>17)

printf(“person is eligible for voting “);

Else

printf(“person is not eligible for voting “);

Return 0;

}

52.#include<stdio.h>

int main()

{

Int a;

printf(“Enter the num : );

scnaf(“%d”,&a);

if(a>0);

{

printf(“%d is positive”,a);

}

Else if(a<0)

{

printf(“%d is negative”,a);

}

Else if(a==0)

{

printf(“%d is zero”,a);

}

Return 0;

}

53,#include<stdio.h>

int main()

{

Int i;

printf(“Enter the number : “);

For (i=1;i<=100;i++)

{

if(i%3==0 && i%5==0)

printf(“%d”,i);

}

Return 0;

}

54.#include<stdio.h>

Int main ()

{

printf(“Enter a character : “);

scanf(“%c”,&c);

if((c>=’a’ && c<=’z’) || (c>==’A’ && c<=’Z’));

printf(“%c is an alphabet :,c);

Else

printf(“%c is not an alphabet :,c);

Return 0;

}

55.#include<stdio.h>

int main()

{

int num;

printf("Enter an integer: ");

scanf("%d",&num);

if ( num%2 == 0 )

printf("%d is an even number", num);

else printf("%d is an odd number", num);

return 0;

}

56.#include<stdio.h>

int main()

{

Int a;

printf(“Enter the num : );

scnaf(“%d”,&a);

if(a>0)

printf(“%d is positive”,a);

else if(a<0)

print("it is negative")

Return 0;

}

57.#include <stdio.h>

int main()

{

int num1, num2, max;

if (num1 > num2)

Printf(“ num1”);

Else,

printf(“ num2”);

return 0;

}

58. # include <stdio.h>

void main()

{

int num1, num2, num3, big ;

printf("Enter three numbers : ") ;

scanf("%d %d %d", &num1, &num2, &num3) ;

If (num1 > num2) and (num1 > num3)

Printf(“ num1”);

Else if (num2 > num1) and (num 2 > num3)

Printf(“ num2”);

Else

printf(“ num3”);

Return 0;

}

59.#include<stdio.h>

int main()

{

char ch;

printf("Enter any character: ");

scanf("%c",&ch);

if( (ch>='a' && ch<='z') || (ch>='A' && ch<='Z'))

printf("The entered character %c is an Alphabet",ch);

else

printf("The entered character %c is not an Alphabet",ch);

return 0;

}

60.#include<stdio.h>

int main()

{

char ch;

printf("enter the character");

scanf("%c",&ch);

if(ch>='a' && ch<='z')

{

printf("it is lowercase letters”);

}

else if(ch>='A' && ch<='Z')

{

printf("it is uppercase letters);

}

Else

{

printf("it is invalid character");

}

return 0;

}

61.#include<stdio.h>

int main()

{

char ch;

printf("enter the character");

scanf("%c",&ch);

if(ch>='0' && ch<='9')

{

printf("it is digit”);

}

Else if((ch>='A' &&ch<='Z') || (ch>='a' &&ch<='z'))

{

printf("it is alphabets”);

}

Else

{  
 printf(“it is special character “);

}

Return 0;

}

62.#include<stdio.h>

int main()

{

Int marks;

printf(“Enter marks between 0-100 : “);

scanf(“%d”,&marks );

if(marks>100 || marks<0)

printf(“your input is out of range “);

Else if(marks>=70)

printf(“you got distinction”);

Else if(marks>=60 || marks<70)

printf(“you got first”);

Else if(marks>=40 || marks<60)

printf(“you got second”);

Else

printf(“you failed”);

Return 0;

}

63.#include<stdio.h>

int main()

{

Int physics,maths,pps;

Float per;

printf(“Enter 3 subject marks : “);

scanf(“%d%d%d”,&physics, &maths, &pps);

per=(physics+maths+pps)/3.0;

printf(“percentage=%,2f\n”,per);

if(per>=90)

printf(“grade A”);

Else if(per>=80)

printf(“grade B”);

Else if(per>=70)

printf(“grade C”);

Else if(per>=60)

printf(“grade D”);

Else if(per>=40)

printf(“grade E”);

Else if(per<40)

printf(“grade F”);

Return 0;

}

64,#include<stdio.h>

Void main()

{

Int week;

printf(“Enter the week num(1-7)”);

scanf(“%d”,&week);

switch(week)

{

Case 1:

printf(“Monday”);

Break;

Case 2:

printf(“TUesday”);

Break;

Case 3:

printf(“Wednesday”);

Break;

Case 4:

printf(“Thursday”);

Break;

Case 5:

printf(“Friday”);

Break;

Case 6:

printf(“Saturday”);

Break;

Case 7:

printf(“Sunday”);

Break;

Default : printf(“Invaild input”);

Break;

}

}

65.#include<stdio.h>

#include<conio.h>

Void main()

{

Int a,b,c;

Char ch;

printf(“Enter the operator (+,-,/,\*,%)”);

scanf(“%c”,&ch);

printf(“Enter the values of a and b\n”);

scanf(“%d%d”,&a,&b);

switch(ch)

{

Case ’+’:c=a+b:

printf(“addition of two numbers is %d”,c);

Break;

Case ’-’:c=a-b:

printf(“substraction of two numbers is %d”,c);

Break;

Case ’\*’:c=a\*b:

printf(“multiplication of two numbers is %d”,c);

Break;

Case ’/’:c=a/b:

printf(“remainder of two numbers is %d”,c);

Break;

Case ’%’:c=a%b:

printf(“quotient of two numbers is %d”,c);

Break;

Default : printf(“Invaild operator”0):

Break;

}

}

66.#include<stdio.h>

Void main()

{

Char gender;

printf(“Enter gender (M/m or F/f): “);

scanf(“%c”,gender);

switch(gender)

{

Case ’M’:

Case ‘m’:

printf(“Male”);

Break;

Case ‘F’:

Case ‘f’:

printf(“Female”);

Break;

Default:

printf(“unspecified gender “);

}

Return 0;

}

67.#include <stdio.h>

int main()

{

int i, n;

printf("Print all natural numbers from 1 to n : ");

scanf("%d", &n);

i=1;

while(i<=n)

{

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

I++;

}

return 0;

}

68.#include <stdio.h>

int main()

{

Int i=100;

while(i<200)

{

i+=2

print(“%d”,i);

}

Return 0;

}

69.#include <stdio.h>

int main()

{

int Number, Reminder, Count=0;

printf("\n Please Enter any number\n");

scanf("%d", &Number);

while(Number > 0)

{

Number = Number / 10;

Count = Count + 1;

}

printf("\n Number of Digits in a Given Number = %d", Count);

return 0;

}

70.#include <stdio.h>

int main()

{

Int n,rev=0,remainder;

printf(“Enter an integer : “);

scanf(“%d”,&n);

while(n!=0)

{

remainder=n%10;

rev=rev\*10+remainder;

n/=10;

}

printf(“Reversed number=%d”,rev);

Return 0;

}

71.#include <stdio.h>

int main()

{

int n, reversedN = 0, remainder, originalN;

printf("Enter an integer: ");

scanf("%d", &n);

originalN = n;

while (n != 0)

{

remainder = n % 10;

reversedN = reversedN \* 10 + remainder;

n /= 10;

}

if (originalN == reversedN)

printf("%d is a palindrome.", originalN);

Else

printf("%d is not a palindrome.", originalN);

return 0;

}

72.#include <stdio.h>

int main()

{

Char ch=’a’;

printf(“Alphabets from a-z are : \n”);

while(ch<=’z’)

{

printf(“%c\n”,ch);

Ch++;

}

Return 0;

}

73.#include<stdio.h>

#include<conio.h>

Void main()

{

Int i=200;

printf(“Even numbers between 100 to 200 are \n : “);

Do

{

if(i%2==0)

{

printf(“%d\n”,i);

}

i=i+1;

}

while(i<=300);

}

75.#include<stdio.h>

void main()

{

int i=1, number;

printf ("Enter a number:");

scanf("%d",& number);

while (i<=12)

{

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

I++;

}

}

76..#include<stdio.h>

void main()

{

Int num;

printf(“Enter any number : “ );

scnaf(“%d”,&num);

if(num & 1)

{

printf(“%d is odd “,num);

}

Else

{

printf(“%d is even “,num);

}

Return 0;

}

77.#include<stdio.h>

int main()

{ int i;

float arr[10], sum, avg;

sum=avg=0.0;

for(i=0;i<10;i++)

{ scanf("%f", &arr[i]);

sum+=arr[i];

}

avg=sum/10;

printf("%f", sum);

printf("%f", avg);

}

78.#include<stdio.h>

Int main()

{

Int n;

Double arr[100];

printf(“Enter the umber of elements 1 to 100): “);

scanf(“%d”,&n);

for(int i=0;i<n;++i)

{

printfr(“Enter num %d: “,i+1);

scanf(“%lf”,&arr[i]);

}

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

if(arr[0]<arr[i]){

arr[0]<arr[i];

}

}

printf(“ largest =%.2lf”,arr[0]);

Return 0;

}

79.#include<stdio.h>

Int main()

{

Int array[100],size,c,location=0;

printf(“Enter number of elements in array\n”);

scanf(“%d”,&size);

printf(“Enter %d integers\n”,size);

for(c=0;c<size;c++)

scanf(“%d”,&array[c]);

for(c=1;c<size;c++)

if(array[c]<array[location])

location=c;

printf(“Minimum element is present at location %d and its value is %d \n”,location+1’array[location]);

Return 0;

}

80.#include <stdio.h>

int main()

{

int c, first, last, middle, n, search, array[100];

printf("Enter number of elements\n");

scanf("%d",&n);

printf("Enter %d integers\n", n);

for (c = 0; c < n; c++)

scanf("%d",&array[c]);

printf("Enter value to find\n");

scanf("%d", &search);

first = 0;

last = n - 1;

middle = (first+last)/2;

while (first <= last)

{

if (array[middle] < search)

first = middle + 1;

else if (array[middle] == search)

{

printf("%d found at location %d.\n", search, middle+1);

Break;

}

else last = middle - 1;

middle = (first + last)/2;

}

if (first > last)

printf("Not found! %d isn't present in the list.\n", search);

return 0;

}

81.#include <stdio.h>

int main()

{

int m, n, c, d, first[10][10], second[10][10], sum[10][10];

printf("Enter the number of rows and columns of matrix\n");

scanf("%d%d", &m, &n);

printf("Enter the elements of first matrix\n");

for (c = 0; c < m; c++)

for (d = 0; d < n; d++)

scanf("%d", &first[c][d]);

printf("Enter the elements of second matrix\n");

for (c = 0; c < m; c++)

for (d = 0 ; d < n; d++)

scanf("%d", &second[c][d]);

printf("Sum of entered matrices:-\n");

for (c = 0; c < m; c++) {

for (d = 0 ; d < n; d++) {

sum[c][d] = first[c][d] + second[c][d];

printf("%d\t", sum[c][d]);

}

printf("\n");

}

return 0;

}

82.#include <stdio.h>

int main()

{

Int arr[100]={0};

Int i,x,pos,n=10;

for(i=0;i<10;i++)

arr[i]=i+1;

for(i=0;i<n;i++)

printf(“%d”,arr[i]);

printf(“\n”);

x=50;

pos=5;

N++;

for(i=n-1;i>=pos;i--)

arr[i]=arr[i-1];

arr[pos-1]=x;

for(i=0;i<n;i++)

printf(“%d”,arr[i]);

printf(“\n”);

Return 0;

}

83.#include<stdio.h>

int main()

{

int a[3][4],i,j;

printf("Enter Elements for Matrix of Size 3\*4:\n\n");

for(i=0;i<=2;i++) // i is used for rows

for(j=0;j<=3;j++) // j is used for columns

{

scanf("%d",&a[i][j]);

}

printf("\nTwo Dimensional Array: \n\n");

for(i=0;i<=2;i++)

{

for(j=0;j<=3;j++)

{

printf("%3d ",a[i][j]);

}

printf("\n");

}

return 0;

}

84.#include <stdio.h>

#include <string.h>

int main()

{

char str1[] = "This is ", str2[] = "programiz.com";

strcat(str1,str2);

puts(str1);

puts(str2);

return 0;

}

85.#include <stdio.h>

int main()

{

Int no.of lines,i;

Char lines[10][100];

printf(“Enter no.of lines : “);

scanf(“%d”,&no.of lines);

for(i=0;i<no.of lines;i++)

{

gets(lines[i]);

}

printf(“Multiple lines: “);

for(i=0;ino.of line;i++)

{

printf(“%s\n”,lines[i]);

}

}

86.#include <stdio.h>

#include <stdlib.h>

int main()

{

FILE\*file;

Char path[100];

Char ch;

Int characters,words,lines;

printf(“Enter source file path : “);

scanf(“%s”,path);

file=fopen(path,”r”);

if(file==null)

{

printf(“Unable to open file\n”);

exit(EXIT FAILURE);

}

characters=word=lines=0;

while((ch=fgetc(file))!=EOF)

{

character++;

if(ch==’\n’ || ch==’\0’)

Lines++;

if(ch==’ ‘ || ch==’\t’ ||ch==’\n’ || ch==’\0’)

Words++;

}

if(characters > 0)

{

Words++;

Lines++;

}

printf(“\n”);

print(“Total characters=%d\n”,characters);

printf(“Total words=%d\n”,words);

printf(“Total lines=%d\n”,lines);

fclose(file);

Return 0;

}

87.#include<stdio.h>

Struck complex

{

Int real,img;

}

Int main()

{

Struct complex a,b,c;

printf(“Enter a and b where a+ib is the first complex number\n”);

scanf(“%d%d”,&a.real,&a.img);

printf(“Enter c and d where c+id is the second complex number\n”);

scanf(“%d%d”,&b.real,&b.img);

c.real=a.real+b.real;

c.img=a.img+b.img;

printf(“Sum of the complex numbers (%d)+(%di)\n”,c.real,c.img);

Return 0;

}

88.#include<stdio.h>

Struct student{

Char name[50];

Int roll;

Float marks;

} s;

Int main()

{

printf(“Enter information: \n”);

printf(“Enter name: “);

fgets(s.name,sizeof(s.name),stdin);

printf(“Enter roll number: “);

scanf(“%d”,&s.roll);

printf(“Enter marks: “);

scanf(“%f”,&s.marks);

printf(“Displaying information: |n”);

printf(“Name: “);

printf(“%s”,s.name);

printf(“Roll number;%d\n”,s.roll);

printf(“Marks:%.1f\n”,s.marks);

Return 0;

}

89.#include<stdio.h>

Struct employee{

Char name[30];

Int empId;

Float salary;

};

Int main()

{

Struct employee emp;

printf(“Enter details:\n);

printf(“Name : “); gets(emo.name);

printf(“Id : “): scanf(“%d”,&emp.empId);

printf(“salary : “): scanf(“%f”,&emp.salary);

printf(“Entered detail is: “);

printf(“Name:%s”,emp.name);

printf(“Id:%d”,emp.empId);

printf(“salary: %f\n”,emp.salary);

Return 0;

}

89.#include<stdio.h>

Struct student{

Char name[50];

Int roll;

};

Struct class{

Char classname[50];

Struct student std[100];

};

Int main()

{

Int i,n;

Char temp;

Struct class cls;

Int main(){

Int i,n;

Char temp;

Struct class cls;

printf(“Enter class name : “);

fgets(cls.classname,50,stdin);

printf(“Enter total number of students in a class: “);

scanf(“%d”,&n);

for(i=0;i<n;i++){

printf(“Enter student [%d] name: “,i+1);

scanf(“%d”,&cls.std[i].roll);

printf(“Enter student [%d] name : “,i+);

scanf(“%c”,&temp);

fgets9cls.std[i].name,50,stdin);

}

90.#include<stdio.h>

Int main()

{

Struct A{

Int x;

Double z;

Short int y;

};

printf(“size of struct : %ld”,size of (struct A));

Return 0;

}