**Lab 4**

1.Answer

#include<stdio.h>

#include<math.h>

int main()

{

int n, i, age, count=0;

printf("Enter any number you want to know:");

scanf("%d",&n);

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

{

scanf("%d",&age);

if(age>=13 && age<=19);

{

count++;

}

}

printf("%d",count);

}

2. Answer

#include <stdio.h>

#include<math.h>

int main ()

{

int n, c1=0,c2=0,c3=0, age,i;

printf("Enter any number you want to know:");

scanf("%d",&n);

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

scanf("%d", &age);

if(age <12){

c1++;

}

else if ( age>= 13 && age <=19){

c2++;

}

else if (age >= 65){

c3++;

}}

if (c1 >c2&&c1>c3){

printf("children are most");}

else if (c2 >c1&&c2>c3){

printf("children are most");}

else {

printf("senior citizen are most");}

}

3. Answer

#include<stdio.h>

#include<math.h>

int main()

{

int x,num;

printf("Enter any number of find its factor:");

scanf("%d",&num);

printf("All fectors of %d are:\n",num);

for(x=1;x<=num;x++)

{

if(num%x==0)

{

printf("%d,",x);

}

}

return 0;

}

4. Answer

#include <stdio.h>

#include <math.h>

int main (){

int x,i, c=0;

printf( "enter the value :\n");

scanf( "%d", &x );

for (i=1;i<x; i++){

if (x%i==0)

{

c++ ;

if (i%2!=0){

printf("%d,",i);

}

}

}}

5. Answer

#include<stdio.h>

#include<math.h>

int main()

{

int x,y,num1,num2;

printf("Enter first number of find its factor:");

scanf("%d",&num1);

printf("Enter second number fo find its factor:");

scanf("%d",&num2);

printf("All fectors of %d are:\n",num1);

for(x=1;x<=num1;x++)

{

if(num1%x==0)

{

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

}

}

printf("All fectors of %d are:\n",num2);

for(y=1;y<=num2;y++)

{

if(num2%y==0)

{

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

}

}

return 0;

}

6. Answer

7. Answer

#include<stdio.h>

int main (){

int i,n,a,b,c,d;

printf("sample input ");

scanf("%d",&n);

c=0;

d=0;

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

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

if(a>c && b>d){

c = a;

d = b;

}

}

printf("Origin %d %d",c,d);

return 0;

}

8. Answer

/\*#include<stdio.h>

#include<math.h>

int main()

{

int

return 0;

}\*/

#include<stdio.h>

int main()

{

int n;

printf("sample input:\n");

float cgpa,max=0.0,min=4.0,difference;

scanf("%d",&n);

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

scanf("%f",&cgpa);

if(cgpa>max){

max = cgpa;

}

if(cgpa<min){

min = cgpa;

}

}

difference = max - min;

printf("sample output\n%0.1f",difference);

return 0;

}

9. Answer

10. Answer

#include <stdio.h>

#include<math.h>

int main ()

{

int n,i,population,average;

printf("Enter any number you want to know :\n");

scanf("%d",&n);

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

{

scanf("%d",&population);

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

{

(average=population/n);}

printf("average people of those countries:%d",average);

}

}