Assignment-14 solutions

Q-1

Ans

#include<stdio.h>

int main()

{

int a[10],i,sum=0;

printf("Enter 10 numbers\n");

for(i=0;i<=9;i++)

{

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

sum=sum+a[i];

}

printf("sum of 10 numbers =%d",sum);

return 0;

}

Q-2

Ans

#include<stdio.h>

Int main()

{

Int b[10],I,sum=0;

Float avg;

Printf(“Enter 10 numbers\n”);

For(i=0;i<=9;i++)

{

Scanf(“%d”,&b[i]);

Sum = sum+b[i];

}

Avg = sum/10.0;

Printf(“Average of numbers =%f”,avg);

Return 0;

}

Q-3

Ans

#include<stdio.h>

Int main()

{

Int c[10],I,se=0,so=0;

Printf(“Enter 10 numbers\n”);

For(i=0;i<=9;i++)

{

Scanf(“%d”,&c[i]);

If(c[i]%2==0)

Se=se+c[i];

Else

So=so+c[i];

}

Printf(“Sum of all even numbers=%d”,se);

Printf(“\n”);

Printf(“Sum of all odd numbers=%d”,so);

Return 0;

}

Q-4

Ans

#include<stdio.h>

Int main()

{

Int I, a[10], large;

Printf(“Enter 10 numbers\n”);

For(i=0;i<=9;i++)

Scanf(“%d”,&a[i]);

Large=a[0];

For(i=1;i<=9;i++)

If(large<a[i])

Large=a[i];

Printf(“Largest numbers=%d”,large);

}

Q-5

Ans

#include<stdio.h>

Int main()

{

Int a[10],I,small;

Printf(“Enter 10 numbers\n”);

For(i=0;i<=9;i++)

Scanf(“%d”,&a[i]);

Small=a[0];

For(i=1;i<=9;i++)

If(small>a[i])

Small= a[i];

Printf(“smallest number=%d”,small);

Return 0;

}

Q-6

Ans

#include<stdio.h>

Int main()

{

Int a[10];

Int j,I,temp;

Printf(“ Enter 10 numbers\n”);

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

{

Scanf(“%d”,&a[i]);

}

For(i=0;i<9;i++)

{

For(j=i+1;j<10;j++)

{

If(a[i]>a[j])

{

Temp=a[i];

A[i]=a[j];

A[j]=temp;

}

}

}

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

Printf(“%d “,a[i]);

Return 0;

}

Q-7

Ans

#include<stdio.h>

Int main()

{

Int a[5];

Int max1,max2,I;

Printf(“Enter the elements of array\n”);

For(i=0;i<=4;i++)

Scanf(“%d”,&a[i]);

For(i=1;i<5;i++)

{

If(max1<a[i])

{

Max2=max1;

Max1=a[i];

}

Else if((max2<a[i])&&(max1!=a[i]))

{

Max2=a[i];

}

}

Printf(“Second largest number=%d”,max2);

Return 0;

}

Q-8

Ans

#include<stdio.h>

Int main()

{

Int a[6];

Int small1,small2,I;

Printf(“Enter 6 numbers\n”);

For(i=0;i<=5;i++)

Scanf(“%d”,&a[i]);

Small1=small2=a[0];

For(i=1;i<=5;i++)

{

If(small1>a[i])

{

Small2=small1;

Small1=a[i];

}

Else if((small2>a[i])&&(a[i]!=small1))

{

Small2=a[i];

}

}

Printf(“ second smallest value =%d”,small2);

Return 0;

}

Q-9

Ans

#include<stdio.h>

int main()

{

int a[6];

int small1,small2,i;

printf("Enter 6 numbers\n");

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

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

small1=small2=a[0];

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

{

if(small1>a[i])

{

small2=small1;

small1=a[i];

}

else if((small2>a[i])&&(a[i]!=small1))

{

small2=a[i];

}

}

printf(" second smallest value =%d",small2);

return 0;

}

Q-10

Ans

#include<stdio.h>

Int main()

{

Int a[10],b[10];

Int I,n;

Printf(“Enter the size or length of array a \n”);

Scanf(“%d”,&n);

Printf(“Ente the elements of array a \n”);

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

Scanf(“%d”,&a[i]);

Printf(“Elements of array a are\n”);

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

Printf(“%d\n”,a[i]);

Printf(“copying the elements of array a into array b\n”);

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

B[i]=a[i];

Printf(“Elements of array b are\n”);

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

Printf(“%d \n”,a[i]);

Return 0;

}