ASSIGNMENT -14

Q1.

#include <stdio.h>

int main()

{

int arr[20],sum=0,i;

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

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

}

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

sum=sum+arr[i];

}

printf("the sum is %d",sum);

return 0;

}

Q2. #include <stdio.h>

int main()

{

int arr[10],sum=0,i,n;

float avg;

printf("enter total numbers you want to find average of");

scanf("%d",&n);

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

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

}

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

sum=sum+arr[i];

}

avg=sum/n;

printf("the average is %f",avg);

return 0;

}

Q3.

#include <stdio.h>

int main()

{

int arr[10],sumofeven=0,i,n,sumofodd=0;

float avg;

printf("enter total numbers ");

scanf("%d",&n);

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

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

}

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

if (arr[i]%2==0){

sumofeven=sumofeven+arr[i];

}

else

sumofodd=sumofodd+arr[i];

}

printf("the sum of even numbers is %d " ,sumofeven);

printf("the sum of odd numbers is %d " ,sumofodd);

return 0;

}

Q4.

#include <stdio.h>

int main()

{

int i,n,greatest;

int arr[20];

printf("enter total numbers you want to enter");

scanf("%d",&n);

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

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

}

greatest=arr[0];

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

if(arr[i]>greatest){

greatest=arr[i];

}}

printf("the greatest number is %d",greatest);

return 0;

}

Q5..

#include <stdio.h>

int main()

{

int i,n,smallest;

int arr[20];

printf("enter total numbers you want to enter");

scanf("%d",&n);

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

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

}

smallest=arr[0];

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

if(arr[i]<smallest){

smallest=arr[i];

}}

printf("the smallest number is %d",smallest);

return 0;

}

Q6. #include <stdio.h>

void main (){

int num[20];

int i, j, a, n;

printf("enter number of elements in an array");

scanf("%d", &n);

printf("Enter the elements");

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

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

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

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

if (num[i] > num[j]){

a = num[i];

num[i] = num[j];

num[j] = a;

}

}

}

printf("The numbers in ascending order is:");

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

printf("%d", num[i]);

}}

Q7.

#include<stdio.h>

int main(){

int i,j,n;

int a[20],b;

printf("enter the total numbers you want to enter");

scanf("%d",&n);

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

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

}

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

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

if(a[i]>a[j]){

b=a[i];

a[i]=a[j];

a[j]=b;

}

}

}

printf("the second greatest element is %d",a[n-2]);

return 0;

}

Q8.

#include<stdio.h>

int main(){

int i,j,n;

int a[20],b;

printf("enter the total numbers you want to enter");

scanf("%d",&n);

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

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

}

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

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

if(a[i]>a[j]){

b=a[i];

a[i]=a[j];

a[j]=b;

}

}

}

printf("the second smallest element is %d",a[1]);

return 0;

}

Q9.

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Welcome to GDB Online.

GDB online is an online compiler and debugger tool for C, C++, Python, Java, PHP, Ruby, Perl,

C#, OCaml, VB, Swift, Pascal, Fortran, Haskell, Objective-C, Assembly, HTML, CSS, JS, SQLite, Prolog.

Code, Compile, Run and Debug online from anywhere in world.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

#include <stdio.h>

int main()

{

int i,j,n;

int a[20];

printf("enter the total numbers you want to enter");

scanf("%d",&n);

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

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

for(j=n-1;j>=0;j--){

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

}

return 0;

}

Q10.

#include <stdio.h>

int main()

{

int j,n;

int a[20];int b[20];

printf("enter the total numbers you want to enter");

scanf("%d",&n);

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

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

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

b[j]=a[j];}

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

printf("%d",b[j]);

}