1 Write a program to copy all content of one array into another array

#include<iostream>

#include<conio.h>

using namespace std;

int main()

{

int arr1[10],arr2[10],i;

cout<<"enter elements in array : ";

for (i=1; i<6; i++)

{

cin>>arr1[i];

}

cout<<"elements of array 1 are : ";

for(i=1; i<6; i++)

{

cout<<arr1[i]<<" ";

}

cout<<"\ncopying......\n";

for(i=1; i<6; i++)

{

arr2[i]=arr1[i];

}

cout<<"elements of array 2 are : ";

for(i=1; i<6; i++)

{

cout<<arr2[i]<<" ";

}

getch();

}

2. Write a program to find all the duplicate element in array

3. Write a program to print the entire unique elements in an array.

#include<iostream>

#include<conio.h>

using namespace std;

int main()

{

int arr[10],i,pos;

cout<<"enter 10 elements array : ";

for(i=1; i<11; i++)

{

cin>>arr[i];

}

cout<<"enter the positions of the unique element : ";

cin>>pos;

cout<<arr[pos];

getch();

return 0;

}

4. Write a program to separate all odd and even numbers in separate array.

#include<iostream>

#include<conio.h>

using namespace std;

int main()

{

int arr[10],i,pos;

cout<<"enter 10 elements array : ";

for(i=1; i<11; i++)

{

cin>>arr[i];

}

cout<<"\n\teven elements \n";

for(i=1; i<11; i++)

{

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

{

cout<<" "<<arr[i]<<endl;

}

}

cout<<"\n\todd elements \n";

for(i=1; i<11; i++)

{

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

{

cout<<" "<<arr[i]<<endl;

}

}

getch();

return 0;

}

5. Write a program to insert an element in sorted array such that it remains sorted.

6. Write a program to multiply two matrices.

#include<iostream>

#include<conio.h>

using namespace std;

class matrix

{

int i,j ,arr1[5][5],arr2[5][5];

public :

void fstMatrix()

{

cout<<"enter the elements of first array : ";

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

{

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

{

cin>>arr1[i][j];

}

}

cout<<"the elements of first array are : \n";

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

{

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

{

cout<<" "<<arr1[i][j];

}

cout<<endl;

}

}

void sndMatrix()

{

cout<<"enter the elements of secound array : ";

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

{

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

{

cin>>arr2[i][j];

}

}

cout<<"the elements of secound array are : \n";

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

{

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

{

cout<<" "<<arr2[i][j];

}

cout<<endl;

}

}

void mulArray()

{

cout<<"Multiplying........\n";

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

{

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

{

cout<<" "<<arr1[i][j]\*arr2[i][j];

}

cout<<endl;

}

}

};

int main()

{

matrix obj;

obj.fstMatrix();

obj.sndMatrix();

obj.mulArray();

getch();

return 0;

}

7. Write a program to calculate transpose of a given matrix.

#include<iostream>

#include<conio.h>

using namespace std;

class matrix

{

int i,j ,arr1[5][5];

public :

void fstMatrix()

{

cout<<"enter the elements of array : ";

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

{

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

{

cin>>arr1[i][j];

}

}

cout<<"the elements of array are : \n";

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

{

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

{

cout<<" "<<arr1[i][j];

}

cout<<endl;

}

}

void transpose()

{

cout<<"transpose..... \n";

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

{

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

{

cout<<" "<<arr1[i][j];

}

cout<<endl;

}

}

};

int main()

{

matrix obj;

obj.fstMatrix();

obj.transpose();

getch();

return 0;

}

8. Write a program to search a substring in a string.

#include<iostream>

#include<conio.h>

#include<string.h>

using namespace std;

int main()

{

string str[10],name;

cout<<"enter string : ";

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

{

cin>>str[i];

}

cout<<"search the string with there name : ";

cin>>name;

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

{

if (name==str[i])

{

cout<<str[i]<<" \n";

cout<<"found at "<<i<<" position. ";

}

}

getch();

return 0;

}

9. Write a program to insert a name in sorted name list such that it remains sorted.

10. Write a program to delete a name in sorted name list such that it remains sorted.