```
using namespace std;
const int MAX = 50;
int arr[MAX];
    cin >> size;
    cout << "Enter " << size << " elements: ";
for(int i = 0; i < size; i++) cin >> arr[i];
void display() {
    cout << "Array: ";
for(int i = 0; i < size; i++) cout << arr[i] << " ";</pre>
    cout << endl;</pre>
void insert() {
    for(int i = size; i > pos; i--) arr[i] = arr[i-1];
    arr[pos] = val;
    for(int i = pos; i < size-1; i++) arr[i] = arr[i+1];</pre>
void search() {
    int val, found = 0;
              found = 1;
    if(!found) cout << "Not found\n";</pre>
int main() {
    int choice;
             case 1: create(); break;
             case 3: insert(); break;
              case 5: search(); break;
             case 6: return 0;
default: cout << "Invalid choice\n";</pre>
```

## 3. Output → 10000

```
4(1). #include<bits/stdc++.h>

using namespace std;
int main(){

    int n;
    cout<<"Enter size of the array: ";
    cin>>n;
    int arr[n];
    cout<<"Enter the elements of the array: ";
    for(int i=0;i<n;i++){
        cin>>arr[i];
    }
    for(int i=0;i<n/2;i++){
        int temp = arr[i];
        arr[n-i-1] = temp;
    }
    for(int i=0;i<n;i++){
        cout<<arrangle arr[n-i-1];
        arr[n-i-1] = temp;
    }
    for(int i=0;i<n;i++){
        cout<<arrangle arr[i]<</pre>
    */
}
```

```
4(2). #include<bits/stdc++.h>
int main(){
    int arr[a][b];
int brr[c][d];
         for(int j=0;j<b;j++){</pre>
              cin>>arr[i][j];
         for(int j=0;j<d;j++){
    cin>>brr[i][j];
    int crr[a][d];
    for(int i=0;i<a;i++){</pre>
         for(int j=0;j<d;j++){
    crr[i][j] = 0;
    for(int k=0;k<b;k++){</pre>
                   crr[i][j] += arr[i][k] * brr[k][j];
        for(int i=0;i<a;i++){
```

```
4(3). #include <bits/stdc++.h>
using namespace std;

int main()
{
    int a, b;
    cout << "Enter rows: ";
    cin >> a;
    cout << "Enter columns: ";
    cin >> b;
    int arr[a][b];
    for (int i = 0; i < a; i++)
    {
        cin >> arr[i][j];
      }
}

for (int i = 0; i < b; i++)
    {
        cout << arr[j][i] << " ";
      }
      cout << endl;
}
</pre>
```

```
5. #include<bits/stdc++.h>
using namespace std;
int main(){
    cin>>a;
cout<<"Enter the columns: ";</pre>
    int arr[a][b];
        for(int j=0;j<b;j++){
    cin>>arr[i][j];
int row_add;
         int row_add = 0;
         for(int j=0;j<b;j++){</pre>
             row_add+= arr[i][j];
         cout<<"Row"<<i+1<<" = "<<row_add<<endl;</pre>
    int col_add;
      for(int i=0;i<a;i++){</pre>
         int col_add = 0;
         for(int j=0;j<b;j++){
             col_add+= arr[j][i];
         cout<<"Column"<<i+1<<" = "<<col_add<<endl;</pre>
```