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Assignment #1

ہرات

Name:: Haseen rafi

SAP:: 26116

Operations in array

E.x:

0	1	2	3	4	5	6	7	8	9
2	3	5	10	20	-5	3	2		

(a) delete()

#include <iostream>

using namespace std;

int main()

{
 int length = 8;
 int arr[length];
 int index = 3;

 for (int i = index; i < length; i++)
 {

 arr[i] = arr[i+1];

 }

 arr[length-1] = NULL;

(b) search()

#include <iostream>

using namespace std;

int main()

{

 int value = 10;

```

int arr[length] = {2, 3, 5, 10, 20, 5, 3, 2};
for (int i = 0; i < length; i++)
{
    if (arr[i] == value)
    {
        int index = i;
        break;
    }
}
cout << "index" << endl;
}
(c) max()

```

Sol:

```

#include <iostream>
using namespace std;
int main()
{
    int length = 8;
    int arr[length] = {2, 3, 5, 10, 20, 5, 3, 2};
    int max = arr[0];
    for (int i = 1; i < length; i++)
    {
        if (arr[i] > max)
        {
            max = arr[i];
        }
    }
}

```

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

```
}  
(d) min()
```

Sol=

```
#include <iostream>
```

```
using namespace std;
```

```
int main()
```

```
{
```

```
int length = {2, 3, 5, 10, 20, 5, 3, 2};  
int arr[length] =
```

```
int min = arr[0];
```

```
for (int i = 1; i < length; i++)
```

```
{
```

```
if (arr[i] < min)
```

```
{
```

```
min = arr[i]
```

```
}
```

```
}
```

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

```
}
```

(—)