

Preview question: Array Shift - Google Chrome

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Question 1

Not complete

Marked out of 100.00

Write a C++ function that removes all products in the array of structs with price that matches with given argument 'target'. Each time an element is removed, the array should be shifted to fill the gap. The function should return the size of the array after removing the matches.

```
struct Product {
    string pname;
    int price;
};
```

Use the following function header:

```
int ShiftArray(Product arr[], int size, int target)
```

Answer: (penalty regime: 0, 0, ... %)

```
{
    i = 0;
    while (i < size)
    {
        // find matching price
        if (arr[i].price == target)
        {
            // start a new counter
            // start at the point where the matching
            // price was found
            int j = i;
            // do the shift
            while (j < size - 1)
            {
                arr[j] = arr[j + 1];
                j++;
            }
            size--;
        }
        i++;
    }
}
```

[A, B, D, _]

e.g. target = B

}

```
}  
    return size;
```

```
}
```