

OBJECTED ORIENTED PROGRAM

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LAB TASK 01:

Practice # 1

```
1 #include <iostream>
2 using namespace std;
3
4 int main() {
5     int arr[10], flag = 0, x = 0;
6     cout << "Enter values in array:\n";
7     for (int i = 0; i < 10; i++)
8         cin >> arr[i];
9     // Count even numbers
10    for (int j = 0; j < 10; j++) {
11        if (arr[j] % 2 == 0)
12            flag++;
13    }
14
15    // Create array for even numbers
16    int arr2[10];
17
18    // Store even numbers
19    for (int k = 0; k < 10; k++) {
20        if (arr[k] % 2 == 0) {
21            arr2[x] = arr[k];
22            x++;
23        }
24    }
25
26    // Print even numbers
27    cout << "Even numbers are:\n";
28    for (int y = 0; y < flag; y++)
29        cout << arr2[y] << " ";
30    return 0;
31 }
```

Practice # 2

```
1 #include <iostream>
2 using namespace std;
3
4 int main() {
5     int arr[3][3];
6     for(int i=0;i<3;i++){
7         for(int j=0;j<3;j++)
8             cin>>arr[i][j];
9             cout<<"enter values in arry"<<endl;
10    }
11    // print odd numbers
12    for(int i=0;i<3;i++){
13        for(int j=0;j<3;j++){
14            if(int arr[i][j]%2 !=0)
15                cout<<arr[i][j]
16        }
17    }
18 }
19 return 0;
20 |
21
22 }
```

Practice # 3

```
1  #include <iostream>
2  using namespace std;
3
4  int main() {
5      int arr[3][3];
6
7      cout << "Enter values in array:\n";
8      for (int i = 0; i < 3; i++) {
9          for (int j = 0; j < 3; j++)
10             cin >> arr[i][j];
11     }
12
13     // print prime numbers
14     cout << "Prime numbers are:\n";
15     for (int i = 0; i < 3; i++) {
16         for (int j = 0; j < 3; j++) {
17             int num = arr[i][j];
18             int count = 0;
19
20             if (num > 1) {
21                 for (int k = 1; k <= num; k++) {
22                     if (num % k == 0)
23                         count++;
24                 }
25
26                 if (count == 2) // prime condition
27                     cout << num << " ";
28             }
29         }
30     }
```