

Practical 1 question 6 solution

```
int main()
{

    int compare=0;

    int lottery[5];

    for (int i=0; i<6; i++){

        cout<<" enter number "<< i+1<<endl;
        cin>> compare;

        //only check for duplicates after the first element has been entered element
        if(i>0){

            //comparing starting from the first element to the element last element that was entered
            for (int j=0; j<i; j++){

                //comparing each element to the value of compare
                if(lottery[j]==compare){

                    cout<<" you have inputed the same number, input a different number than : "<<
                    compare<<endl;

                    //if matched then decreament i
```

```
i--;
```

```
//if matched then break the inner loop
```

```
break;
```

```
}
```

```
//wait untill the comparing is finished
```

```
if (j==i-1 ){
```

```
//if comparing is finished then insert the value of compare to the array
```

```
lottery[i]=compare;
```

```
}
```

```
}
```

```
}
```

```
//insert the first element in the array
```

```
else {
```

```
lottery[i]=compare;
```

```
}
```

```
}
```

```
//print out the elements of the array
```

```
cout<<" your lottery numbers are"<<endl;
```

```
for (int i=0; i<6; i++){
```

```
    cout<< lottery[i] << ", ";  
}  
  
}
```