

Login to matrix and create a file called “quiz6.txt”.

Answer the following questions and when done enter the following command:

~fardad.soleimanloo/submit oopq6 <ENTER>

1- This function returns the largest integer in an array:

```
int max(int a[],int size) {  
    int theMax = a[0];  
    int i;  
    for (i = 1; i < size; i++) {  
        if (theMax < a[i]) {  
            theMax = a[i];  
        }  
    }  
    return theMax;  
}
```

Convert this function to a template so it can find the largest of any object in an array.
Document what features the object must have to be able to work with the template.

2- Name the four different types of polymorphism and name one example for each type.