WORKSHOP 5

Working with Type Parameter (Generic)

CSX3004 Programming Languages

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TASK 1: WORKLIST INTERFACE

Refer to the updated Worklist interface below.

```
public interface Worklist<T> {

    void add(T item);

    boolean hasMore();

    T remove() throws EmptyWorklistException;

}
```

1. Update the Stack class to reflect the change in the interface.

2. Update the Queue class to reflect the change in the interface.

TASK 2: GENERIC STACK

1. Refer to the Stack class given in Workshop 4.

2. Currently, the Stack can only store String.

3. Modify the code so that the Stack can store the data of any reference type.

4. Test your code with the given GenericDriver class.

TASK 3: GENERIC QUEUE

1. Refer to the Queue class given in Workshop 4.

2. Currently, the Queue can only store String.

3. Modify the code so that the Stack can store the data of any reference type.

4. Test your code with the given GenericDriver class.