# Career Services Assignment 3 – Java Flash Cards

**Points possible:** 50

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| **Category** | **Criteria** | **% of Grade** |
| **Completeness** | All requirements of the assignment are complete. | 100 |

**Instructions:** Research common Java interview questions online and create 20 flash cards from the information you find. Study your flash cards regularly to better prepare for interviews. Fill out the table below with the information you put on each of your flash cards.

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| **Front of Card** | **Back of Card** |
| What is Java? | High-Level programming language |
| What are the features of JAVA? | Objected-oriented  platform independent  high performance |
| Name Java IDE’s | Eclipse  Visual Studio Code  IntelliJ |
| What is a Class? | All java codes are defined in a Class it has variables and Methods. |
| What is an Object? | An object is an instance of a Class. |
| What are OOPs concepts? | Inheritance  Encapsulation  Polymorphism  Abstraction  Interface |
| What is Inheritance? | One Class can extend to another. |
| What is Encapsulation? | Protects code from others |
| What is Polumorphism? | A single object can refer to the super-class or sub-class depending on how it is called |
| What is meany by Interface? | Multiple inheritances cannot be achieved in Java. It has the method deceleration but the implementation is in the class. |
| What is a String Builder? | Used to modify a string before writing it to memory where it can not be changed. |
| What is a collection? | Used to store multiple objects and perform actions. |
| What is the most common List? | ArrayList |
| What is the most common Set? | HashSet |
| What is the most common Map? | HashMap |
| What is an Exception? | A problem that can occur during the normal flow of execution |
| What is a checked Exception? | These exceptions are checked by the compiler at the time of compilation. |
| What is an unchecked exception? | These exceptions are not checked during the compile time by the compiler. |
| What is the main way to handle exceptions | Try Catch block |
| What are the exception handling keywords in Java? | Try  Catch  Finally |