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**DEPARTMENT OF INFORMATION TECHNOLOGY**

**ASSIGNMENT COVER PAGE**

**Please fill in all the required details for your assignment to be accepted.**

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| Student’s Name | OBADIAH GIDEON | | |
| Student’s Matric No | LUC/CPGS/FOCSM/0104 | | |
| Year/Semester | 4ND Semester | | |
| Program | Computer software engineering | | |
| Subject Name / Subject Code | Cse202 | | |
| Lecturer’s Name | Mrs.Micheal | | |
| Assignment Title | Java Data type | | |
| No. of Page (excluding this page) | 1 | | |
| Required words | NONE | Actual # of words | -- |
| Soft copy included | Yes / No | | |
| **DECLARATION BY STUDENTS:**  *I certify that this assignment is my own work in my own words. All resources have been acknowledged and the content has not been previously submitted for assessment to LINCOLN or elsewhere. I also confirm that I have kept a copy of this assignment.*    Signed: Date: 8/2/22 | | | |

**Primitive DataTypes**

1. **Byte. The byte data type is an 8-bit signed two complement integer.But with this, memory is being saved.**

**It has a minimum value of -128 and maximum value of 127**

**short num = 100;**

1. **Shorts: This datatype stores whole number this is larger than byte.**

**It has a minimum value of -32,768 and maximum value of 32,767**

**short num = 10000;**

1. **Int: Is a data type that represent some range of mathematic integers, it stores whole numbers larger than shorts.**

**Range: -2147483648 to 2147483647**

**short num = 10000;**

1. **Long: This is used to store whole numbers and its the largest of them all.**

**long num = 10000;**

1. **Float: This is used to store values of decimal or fractional numbers. It only stores data upto 4 bytes(32bit).**

**float num = 5.32f;**

1. **Double: This is used to store values of decimal or fractional numbers. It only stores data upto 8 bytes(64bit).**

**double db = 5.32d;**

1. **Booleans: It is the data type that only accepts two condition which are: ‘true’ or ‘false’.**

**boolean cond = true;**

1. **Character: They are used to store single value e.g ‘a’, ‘d’.**

**char item = ‘o‘;**

1. **String: Made up of ordered sequence of character.**

**String name = “hello”;**