DAY 6 MORNING ASSIGNMENTS

1.difference between collections and generic?

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|  | collections | generics |
| namespace | System.collections | System.collections.generics |
| Each element is of what type | object | Int(any data type) |
| do you need type casting type | yes | no |
|  | Arraylist | List<T> |
| examples | ArrayList data =NewList(); | List<int>data =new List<int>(); |

2.data types in c# and their respective names?

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| --- | --- |
| Data type name | Data type allias |
| byte | Byte |
| Ushort | UInt16 |
| unit | UInt32 |
| sbyte | SByte |
| short | Int16 |
| int | Int32 |
| long | Int64 |
| float | Single |
| double | Double |
| decimal | Decimal |
| boolean | Boolean |
| char | Char |
| string | String |

3.example programs of implicit and explicit type casting?

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| --- | --- |
| Implicit type casting | Explicit type casting |
| Short a =25;  Int b = a;  Console.ReadLine(); | Int a =25;  Short b = (short)a;  Console.ReadLine() |