

DAY2

1-what's the difference between compiled and interpreted languages and in this way what about Csharp?

1-Conversion of code:

Compiled Language >> compile >> machine language.

interpreted languages >> Line by Line >>machine language.

Csharp>>compile >>IL>>Jit compiler>>machine language.

2- performance

Compiled Language >>fast

interpreted languages >>slow

Csharp>> Moderate to fast

2- Compare between implicit, explicit, Convert and parse casting.

1. Implicit

```
Int x=10;
```

```
Double y=x;
```

(store small datatype in large datatype , value the same category)

2. Explicit

```
Double x=10;
```

```
Int y=(int)x;
```

(store large datatype in small datatype , value the same category)

3. Convert

```
String str = "10";
```

```
Int num = Convert.ToInt32(str);
```

(convert value to diff datatype, diff category)

4. Parse

```
String str = "10";
```

```
Int num = int.Parse(str);
```

(convert string to number)