A screen shot of a computer

Description automatically generated

**using** **System**;

**namespace** **ECE2310\_HW11\_01**

{

**interface** IPrintable

{

DateTime GetPubDate();

}

}

**using** **System**;

**namespace** **ECE2310\_HW11\_01**

{

**public** **class** **ReadingMaterial** : IPrintable

{

**public** string Title { **get**; **set**; } = "Title";

**public** string Subject { **get**; **set**; } = "Subject";

**public** bool OnlineVersion { **get**; **set**; } = **true**;

**public** int NumOfPages { **get**; **set**; } = 1;

**public** string Genre { **get**; **set**; } = "Genre";

**public** DateTime PubDate { **get**; **set**; } = **new** DateTime();

**public** ReadingMaterial() { }

**public** DateTime GetPubDate()

{

var datetime = PubDate;

var date = datetime.Date;

**return** date;

}

**public** **override** string ToString()

{

**return** ($"Title:\t\t\t{Title}\nSubject:\t\t{Subject}\nOnline Version:\t\t{OnlineVersion}\nNumber of Pages:\t{NumOfPages}\nPublication Date:\t{GetPubDate().ToShortDateString()}");

}

}

}

**using** **System**;

**namespace** **ECE2310\_HW11\_01**

{

**public** **class** **Book** : ReadingMaterial

{

**public** long ISBN { **get**; **set**; } = 0;

**public** string Author { **get**; **set**; } = "Author";

**public** string Publisher { **get**; **set**; } = "Publisher";

**public** Book() { }

**public** **override** string ToString()

{

**return** ($"\*\*\* Book Information \*\*\*\n{base.ToString()}\nAuthor:\t\t\t{Author}\nPublisher:\t\t{Publisher}\nISBN:\t\t\t{ISBN:D13}");

}

}

}

**namespace** **ECE2310\_HW11\_01**

{

**public** **class** **Magazine** : ReadingMaterial

{

**public** string Series { **get**; **set**; } = "Series";

**public** int IssueNumber { **get**; **set**; } = 1;

**public** Magazine() { }

**public** **override** string ToString()

{

**return** ($"\*\*\* Magazine Information \*\*\*\n{base.ToString()}\nSeries:\t\t\t{Series}\nIssue Number:\t\t{IssueNumber}");

}

}

}

**using** **System**;

**namespace** **ECE2310\_HW11\_01**

{

**class** **Program**

{

**static** **void** Main(string[] args)

{

Book book = **new** Book();

Magazine magazine = **new** Magazine();

book.Title = "Harry Potter and The Battle of Polymorphism";

book.Author = "JK Rowling";

book.ISBN = 1357246819281;

book.OnlineVersion = **true**;

book.Genre = "Fantasy Fiction";

book.Subject = "Magical";

book.Publisher = "Bloomsbury Publishing";

book.NumOfPages = 540;

book.PubDate = **new** DateTime(2000, 10, 1);

magazine.Title = "Popular Science";

magazine.Series = "Robotics";

magazine.Genre = "Science and Education";

magazine.IssueNumber = 47;

magazine.NumOfPages = 59;

magazine.OnlineVersion = **false**;

magazine.PubDate = **new** DateTime(2017, 5, 2);

Console.WriteLine(book);

Console.WriteLine();

Console.WriteLine(magazine);

}

}

}