10908662

Assignment 2

**Question 1**

using System;

public class BankAccount

{

private int accountNumber;

private double balance;

public BankAccount(int accountNumber, double balance)

{

this.accountNumber = accountNumber;

this.balance = balance;

}

public int GetAccountNumber()

{

return accountNumber;

}

public double GetBalance()

{

return balance;

}

public void Deposit(double amount)

{

balance += amount;

}

public bool Withdraw(double amount)

{

if (balance >= amount)

{

balance -= amount;

return true;

}

else

{

return false;

}

}

}

**Question 2**

using System;

public class Employee

{

private string name;

private string designation;

private decimal salary;

public string Name

{

get { return name; }

set { name = value; }

}

public string Designation

{

get { return designation; }

set { designation = value; }

}

public decimal Salary

{

get { return salary; }

set { salary = value; }

}

}

**Question 3**

using System;

public class Student

{

private string name;

private int age;

private string grade;

public void SetName(string studentName)

{

name = studentName;

}

public string GetName()

{

return name;

}

public void SetAge(int studentAge)

{

age = studentAge;

}

public int GetAge()

{

return age;

}

public void SetGrade(string studentGrade)

{

grade = studentGrade;

}

public string GetGrade()

{

return grade;

}

}

**Question 4**

using System;

public class Car

{

private string make;

private string model;

private int year;

public string Make

{

get { return make; }

set { make = value; }

}

public string Model

{

get { return model; }

set { model = value; }

}

public int Year

{

get { return year; }

set { year = value; }

}

}

**Question 5**

using System;

public class LibraryBook

{

private string title;

private string author;

private bool available;

public LibraryBook(string title, string author)

{

this.title = title;

this.author = author;

this.available = true;

}

public string GetTitle()

{

return title;

}

public void SetTitle(string title)

{

this.title = title;

}

public string GetAuthor()

{

return author;

}

public void SetAuthor(string author)

{

this.author = author;

}

public bool IsAvailable()

{

return available;

}

public void SetAvailable(bool available)

{

this.available = available;

}

}