Problem 1: Declaring and Initializing a Double Variable

Problem Statement:

Declare a variable to store the price of a product and initialize it with a value of 49.99.

1. Instructions:

- Identify the appropriate data type for the variable.

- Declare the variable with an appropriate name.

- Initialize the variable with the value 49.99.

2. Code the variable _____ **productPrice** = ____;

```
double productPrice = 49.99;
```

Explanation:

- double is the appropriate data type for values with decimals.

- productPrice is a meaningful variable name that reflects what the value represents.

- 49.99 is assigned using the = operator.

Problem 2: Declaring and Initializing a Boolean Variable

Problem Statement:

Declare a variable to store a flag indicating whether a user is an admin, and initialize it with the value **true**.

1. Instructions:

- Identify the appropriate data type for the variable.

- Declare the variable with an appropriate name.

- Initialize the variable with the value **true**.

2. Your Code Solution: _____ **isAdmin** = ____;

```
bool isAdmin = true;
```

Explanation:

- bool is the appropriate data type for true/false (Boolean) values.

- isAdmin is a descriptive variable name indicating what the Boolean represents.

- true is assigned using the = operator to indicate that the user is an admin.