```
public static void main(String[] args)
{
          ...
          harrysChecking.deposit(500);
          ...
}

...

public void deposit(double amount)
{
          double newBalance = balance + amount;
          balance = newBalance;
}
```

```
harrysChecking = BankAccount

balance = 0
```

This animation demonstrates the lifetime of local variables and parameter variables.







```
public static void main(String[] args)
                                             harrysChecking =
                                                                         BankAccount
                                                                       balance = 0
   harrysChecking.deposit(500);
public void deposit(double amount)
   double newBalance = balance + amount;
   balance = newBalance;
```

We will have a close look at this method call.







```
public static void main(String[] args)
                                            harrysChecking =
                                                                         BankAccount
                                                                       balance = 0
  harrysChecking.deposit(500);
public void deposit(double amount)
   double newBalance = balance + amount;
   balance = newBalance;
```

The parameter value 500 is passed to the method.







```
harrysChecking = BankAccount

balance = 0
```

The parameter variable is created.







```
public static void main(String[] args)
                                               harrysChecking =
                                                                           BankAccount
                                                                          balance = 0
                                                     amount =
                                                               500
    harrysChecking.deposit(500);
 }
public void deposit(double amount)
    double newBalance = balance + amount;
    balance = newBalance;
```

The parameter variable is initialized with the parameter value.







```
public static void main(String[] args)
                                              harrysChecking =
                                                                           BankAccount
                                                                         balance = 0
                                                    amount =
                                                              500
   harrysChecking.deposit(500);
                                                 newBalance =
public void deposit(double amount)
  double newBalance = balance + amount;
   balance = newBalance;
```

The local variable newBalance is created.





```
public static void main(String[] args)
{
    ...
    harrysChecking.deposit(500);
    ...
}

...

public void deposit(double amount)
{
    double newBalance = balance + amount;
    balance = newBalance;
}
harrysChecking = BankAccount
balance = 0

newBalance = 500

newBalance = 500

newBalance = 10

newBalance =
```

The local variable is initialized.







```
public static void main(String[] args)
                                               harrysChecking =
                                                                            BankAccount
                                                                          balance =
                                                                                     500
                                                     amount =
                                                               500
   harrysChecking.deposit(500);
                                                  newBalance =
                                                               500
public void deposit(double amount)
   double newBalance = balance + amount;
   balance = newBalance;
```

The execution of the method continues.







```
public static void main(String[] args)
{
          . . .
          harrysChecking.deposit(500);
          . . .
}

. . .

public void deposit(double amount)
{
          double newBalance = balance + amount;
          balance = newBalance;

}
```

```
harrysChecking = BankAccount

amount = 500

newBalance = 500
```

The end of the method is reached.



```
public static void main(String[] args)
                                              harrysChecking =
                                                                           BankAccount
                                                                         balance =
                                                                                    500
                                                              500
                                                    amount =
   harrysChecking.deposit(500);
public void deposit(double amount)
   double newBalance = balance + amount;
   balance = newBalance;
```

The local variable of the method dies.







The parameter variable of the method dies.







```
public static void main(String[] args)
                                             harrysChecking =
                                                                          BankAccount
                                                                        balance = 500
   harrysChecking.deposit(500);
public void deposit(double amount)
   double newBalance = balance + amount;
   balance = newBalance;
```

The method call has been completed.





