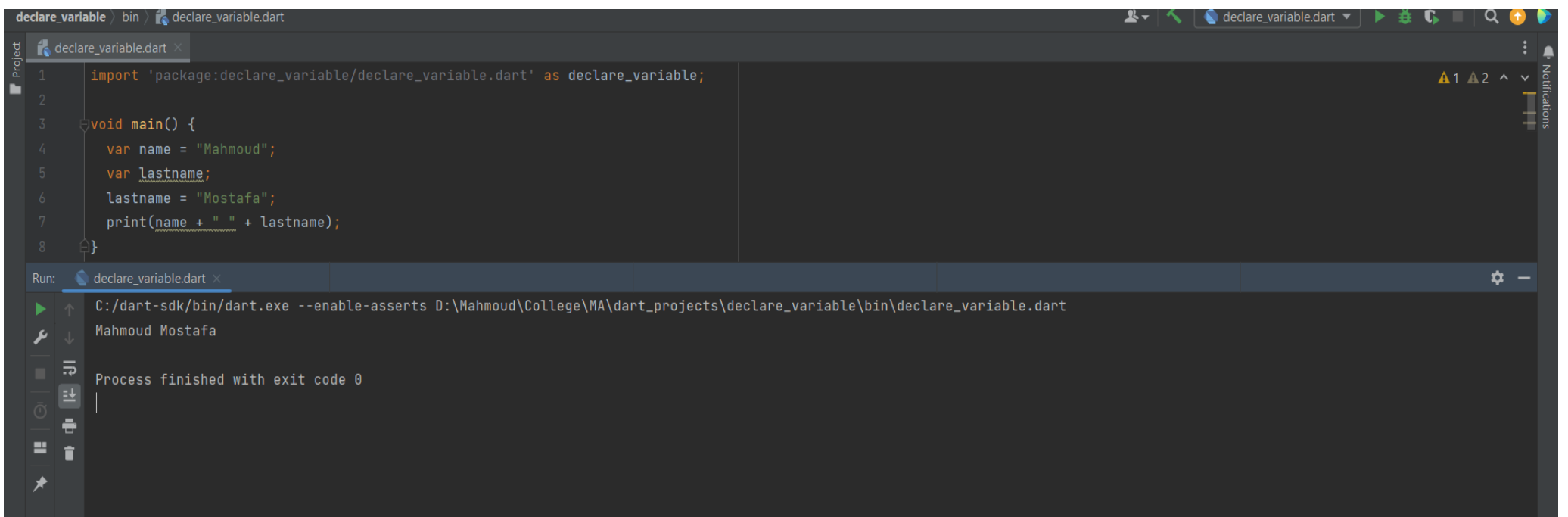


الاسم : محمود مصطفى الشحات

القسم العلمي : حاسب الي

السكشن : 3



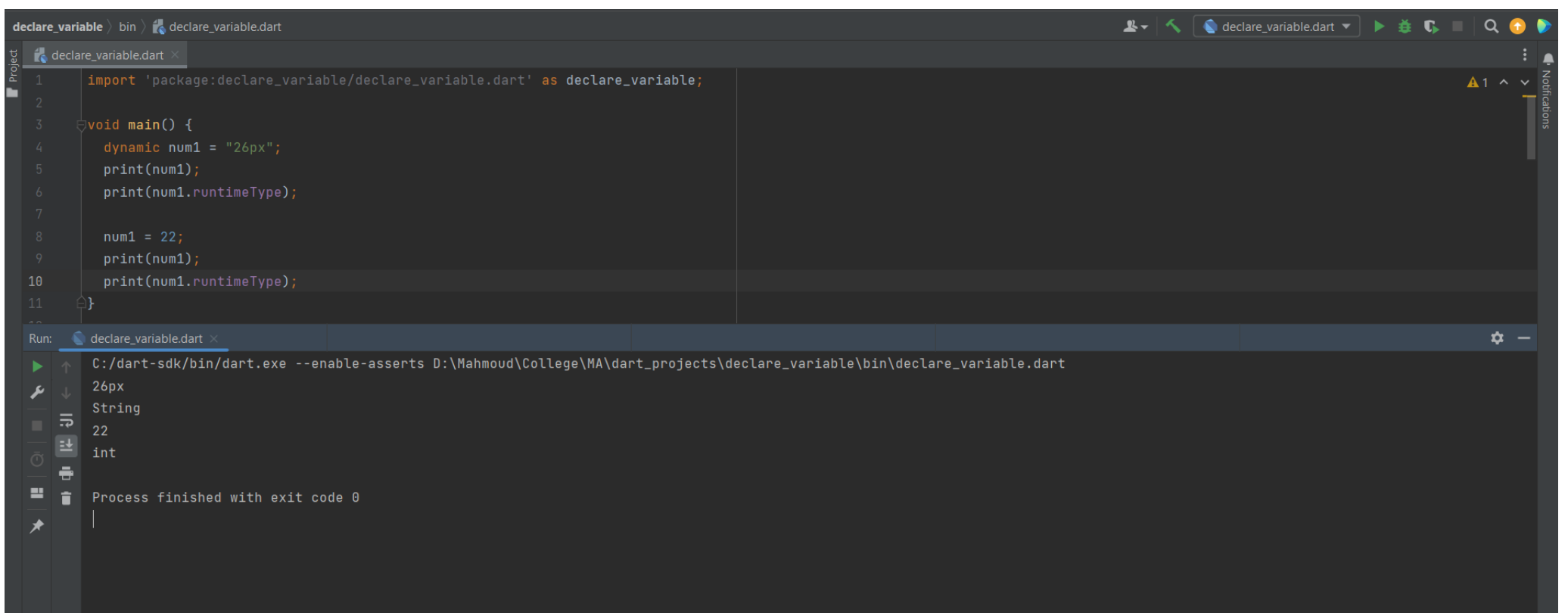
```
declare_variable > bin > declare_variable.dart
1 import 'package:declare_variable/declare_variable.dart' as declare_variable;
2
3 void main() {
4   var name = "Mahmoud";
5   var lastname;
6   lastname = "Mostafa";
7   print(name + " " + lastname);
8 }
```

Run: declare_variable.dart x

C:/dart-sdk/bin/dart.exe --enable-asserts D:\Mahmoud\College\MA\dart_projects\declare_variable\bin\declare_variable.dart

Mahmoud Mostafa

Process finished with exit code 0



```
declare_variable > bin > declare_variable.dart
1 import 'package:declare_variable/declare_variable.dart' as declare_variable;
2
3 void main() {
4   dynamic num1 = "26px";
5   print(num1);
6   print(num1.runtimeType);
7
8   num1 = 22;
9   print(num1);
10  print(num1.runtimeType);
11 }
```

Run: declare_variable.dart x

C:/dart-sdk/bin/dart.exe --enable-asserts D:\Mahmoud\College\MA\dart_projects\declare_variable\bin\declare_variable.dart

26px
String
22
int

Process finished with exit code 0

declare_variablebindeclare_variable.dart

declare_variable.dart

```
1import 'package:declare_variable/declare_variable.dart' as declare_variable;
2
3void main() {
4  int x = 10;
5  String str = "Dart";
6
7  print(x);
8  print(str);
9}
```

Run: declare_variable.dart

```
C:/dart-sdk/bin/dart.exe --enable-asserts D:\Mahmoud\College\MA\dart_projects\declare_variable\bin\declare_variable.dart
10
Dart
Process finished with exit code 0
```

declare_variablebindeclare_variable.dart

declare_variable.dart

```
1import 'package:declare_variable/declare_variable.dart' as declare_variable;
2
3void main() {
4  int num1 = 43;
5  double num2 = 11;
6  num num3 = 39;
7  num num4 = 11.1;
8  num sum = num1 + num2 + num3 + num4;
9
10 print("Num1 is $num1");
11 print("Num2 is $num2");
12 print("Num3 is $num3");
13 print("Num4 is $num4");
14 print("Sum is $sum");
15}
16
```

Run: declare_variable.dart

```
C:/dart-sdk/bin/dart.exe --enable-asserts D:\Mahmoud\College\MA\dart_projects\declare_variable\bin\declare_variable.dart
Num1 is 43
Num2 is 11.0
Num3 is 39
Num4 is 11.1
Sum is 104.1
Process finished with exit code 0
```

declare_variablebindeclare_variable.dart

declare_variable.dart

```
1import 'package:declare_variable/declare_variable.dart' as declare_variable;
2
3void main() {
4  String name = 'Mahmoud Mostafa';
5  String address = 'Mit Assas';
6
7  print("My name is $name and I live in $address");
8}
```

Run: declare_variable.dart

```
C:/dart-sdk/bin/dart.exe --enable-asserts D:\Mahmoud\College\MA\dart_projects\declare_variable\bin\declare_variable.dart
My name is Mahmoud Mostafa and I live in Mit Assas
Process finished with exit code 0
```

declare_variable > bin > declare_variable.dart

declare_variable.dart

```
1 import 'package:declare_variable/declare_variable.dart' as declare_variable;
2
3 void main() {
4   String multilineText = """
5     This is multi Line Text
6     with 3 single quote
7     I am also writing here
8   """;
9
10  String otherMultilineText = '''
11    This is multi Line Text
12    with 3 single quote
13    I am also writing here
14  ''';
15
16  print(multilineText);
17  print(otherMultilineText);
18 }
```

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18

Run: declare_variable.dart

```
C:/dart-sdk/bin/dart.exe --enable-asserts D:\Mahmoud\College\MA\dart_projects\declare_variable\bin\declare_variable.dart
This is multi Line Text
with 3 single quote
I am also writing here

This is multi Line Text
with 3 single quote
I am also writing here

Process finished with exit code 0
```

declare_variable > bin > declare_variable.dart

declare_variable.dart

```
1 import 'package:declare_variable/declare_variable.dart' as declare_variable;
2
3 void main() {
4   print("I am from \n Egypt");
5   print("I am from \t Egypt");
6
7   print('-----');
8
9   bool isMarried = false;
10  print("Married status: $isMarried");
11 }
```

1 2 3 4 5 6 7 8 9 10 11

Run: declare_variable.dart

```
C:/dart-sdk/bin/dart.exe --enable-asserts D:\Mahmoud\College\MA\dart_projects\declare_variable\bin\declare_variable.dart
I am from
Egypt
I am from   Egypt
-----
Married status: false

Process finished with exit code 0
```

declare_variable > bin > declare_variable.dart

declare_variable.dart

```
1 import 'package:declare_variable/declare_variable.dart' as declare_variable;
2
3 void main() {
4   List fruits = ['Apple', 'Banana', 'Orange'];
5   print('Value of fruits is $fruits');
6   print('Value of fruits[0] is ${fruits[0]}');
7   print('Value of fruits[1] is ${fruits[1]}');
8   print('Value of fruits[2] is ${fruits[2]}');
9   print('The length of fruits is ${fruits.length}');
10 }
```

1 2 3 4 5 6 7 8 9 10

Run: declare_variable.dart

```
C:/dart-sdk/bin/dart.exe --enable-asserts D:\Mahmoud\College\MA\dart_projects\declare_variable\bin\declare_variable.dart
Value of fruits is [Apple, Banana, Orange]
Value of fruits[0] is Apple
Value of fruits[1] is Banana
Value of fruits[2] is Orange
The length of fruits is 3

Process finished with exit code 0
```

declare_variablebin>declare_variable.dart

declare_variable.dart

```
1 import 'package:declare_variable/declare_variable.dart' as declare_variable;
2
3 void main() {
4   Map myDetails = {
5     'name' : 'Mahmoud Mostafa',
6     'phone' : '01018672627',
7     'gmail' : 'melshahat799@gmail.com',
8     'adress' : 'Mit Assas',
9   };
10
11   print(myDetails['name']);
12   print(myDetails['phone']);
13   print(myDetails['gmail']);
14   print(myDetails['adress']);
15 }
```

Run: declare_variable.dart

```
C:/dart-sdk/bin/dart.exe --enable-asserts D:\Mahmoud\College\MA\dart_projects\declare_variable\bin\declare_variable.dart
Mahmoud Mostafa
01018672627
melshahat799@gmail.com
Mit Assas
Process finished with exit code 0
```

declare_variablebin>declare_variable.dart

declare_variable.dart

```
3 void main() {
4   var a = -2;
5   print (a.abs ());
6   var b = 2.4;
7   print ("The ceiling value of 2.4 = ${b.ceil() }");
8   var c = 2.9;
9   print ("The floor value of 2.9 = ${c.floor()}");
10  var d= 2.4;
11  print (d.compareTo (12));
12  print (d.compareTo (2.4));
13  print (d.compareTo (0));
14  var e = 10;
15  var f = 17;
16  print (e.remainder (2));
17  print (f.remainder (2));
18  double n1 = 12.023;
19  double n2 = 12.89;
20  var value1 = n1.round();
21  print(value1);
22 }
```

Run: declare_variable.dart

```
C:/dart-sdk/bin/dart.exe --enable-asserts D:\Mahmoud\College\MA\dart_projects\declare_variable\bin\declare_variable.dart
2
The ceiling value of 2.4 = 3
The floor value of 2.9 = 2
-1
0
1
0
1
12
```

declare_variablebin>declare_variable.dart

declare_variable.dart

```
1 import 'package:declare_variable/declare_variable.dart' as declare_variable;
2
3 void main() {
4   int one = 22;
5   print("Type of one is ${one.runtimeType}");
6   String oneInString = one.toString();
7   print("Value of oneInString is $oneInString");
8   print("Type of oneInString is ${oneInString.runtimeType}");
9 }
10
```

Run: declare_variable.dart

```
C:/dart-sdk/bin/dart.exe --enable-asserts D:\Mahmoud\College\MA\dart_projects\declare_variable\bin\declare_variable.dart
Type of one is int
Value of oneInString is 22
Type of oneInString is String
Process finished with exit code 0
```