



## **DEPARTMENT OF COMPUTER SCIENCE**

**Name:** Amaan Fatima

**Roll no:** 2206

**Section:** BSCS MA

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**Submitted to:** Mam Sadia Saher

# ASSGINMENT

## 30 common error in DART Language

### Error 1: Missing Semicolon Error

ERROR!

/tmp/1OgOQAwkkK/main.dart:2:24: Error: Expected ';' after this.

```
print("Hello world") }
```

| Code with error                                       | Corrected code   |
|---|--|
| <pre>void main() {<br/>  print("Hello world") }</pre> | <pre>void main() {<br/>  print("Hello world"); }</pre> |

### Error 2: Missing Closing Brace Error

ERROR!

/tmp/fHo5suX262/main.dart:1:13: Error: Can't find '}' to match '{'.

```
void main() {
```

| Code with error                                      | Corrected code   |
|--|--|
| <pre>void main() {<br/>  print("Hello world");</pre> | <pre>void main() {<br/>  print("Hello world"); }</pre> |

### Error 3: Undefined Identifier Error

ERROR!

/tmp/v5iA4ngKAH/main.dart:2:19: Error: Undefined name 'Amaan'.

```
String name = Amaan;
```

| Code with error          | Corrected code           |
|--------------------------|--------------------------|
| <pre>void main() {</pre> | <pre>void main() {</pre> |

|                                       |   |
|---------------------------------------|---|
| String name = Amaan;<br>print(name);} | String name = "Amaan";<br>print(name);} |
|---------------------------------------|---|

#### Error 4: Too many positional arguments

ERROR!

/tmp/30RueqcjKg/main.dart:3:10: Error: Too many positional arguments: 1 allowed, but 2 found.

Try removing the extra positional arguments.

```
print("Hello ",name);
```

org-dartlang-sdk:///sdk/lib/core/print.dart:19:6: Context: Found this candidate, but the arguments don't match. void print(Object? object) {

| Code with error   | Corrected code   |
|---|--|
| void main() {<br>String name = "Amaan";<br>print("Hello ", name); } | void main() {<br>String name = "Amaan";<br>print("Hello \$name"); // Correct: Interpolation} |

#### Error 5: Undefined name 'stdin'

ERROR!

/tmp/9B5iJuN5SP/main.dart:3:19: Error: Undefined name 'stdin'.

```
String? name= stdin.readLineSync();
```

| Code with error   | Corrected code   |
|---|--|
| void main() {<br>print("Enter your name= ");<br>String? name=<br>stdin.readLineSync();<br>Print(name);} | import 'dart:io';<br>void main() {<br>print("Enter your name= ");<br>String? name=<br>stdin.readLineSync();<br>print(name);} |

## Error 6: Type mismatch

ERROR!

/tmp/UP9x0GZEK0/main.dart:4:21: Error: A value of type 'String?' can't be assigned to a variable of type 'int?'.

```
int? num= stdin.readLineSync();
```

| Code with error   | Corrected code   |
|---|--|
| <pre>import 'dart:io';<br/>void main() {<br/>  print("Enter a number= ");<br/>  int? num= stdin.readLineSync();<br/>  print(num); }</pre> | <pre>import 'dart:io';<br/>void main() {<br/>  print("Enter a number= ");<br/>  int? num=<br/>  int.parse(stdin.readLineSync()!);<br/>  print(num);}</pre> |

## Error 7: Undefined Variable / Setter Not Found

ERROR!

/tmp/eYEBzk68Kd/main.dart:3:6: Error: Setter not found: 'x'.

```
x = 10;
```

/tmp/eYEBzk68Kd/main.dart:4:11: Error: Undefined name 'x'.

```
print(x);
```

| Code with error   | Corrected code  |
|---|---|
| <pre>void main() {<br/>  x = 10;<br/>  print(x);}</pre> | <pre>void main() {<br/>  int x = 10;<br/>  print(x);}</pre> |

## Error 8: case-sensitive error

ERROR!

/tmp/WLW0mTHjrF/main.dart:4:6: Error: 'string' isn't a type.

```
string name = "Amaan";
```

| Code with error  | Corrected code   |
|--|--|
| <pre>void main() {   string name = "Amaan";   print (name);}</pre> | <pre>void main() {   String name = "Amaan";   print (name);}</pre> |

### Error 9: Nullable String passed to non-nullable parameter

ERROR!

/tmp/06WitdVnk2/main.dart:4:30: Error: The argument type 'String?' can't be assigned to the parameter type 'String' because 'String?' is nullable and 'String' isn't.

```
int? a= int.parse(stdin.readLineSync());
```

| Code with error  | Corrected code  |
|--|---|
| <pre>import 'dart:io'; void main() {   print ("enter a=");   int? a= int.parse(stdin.readLineSync());   print(a);}</pre> | <pre>import 'dart:io'; void main() {   print ("enter a=");   int? a= int.parse(stdin.readLineSync()!);   print(a);}</pre> |

### Error 10: Undefined loop variable (i) in for loop

ERROR!

/tmp/PMPPrZD66ll/main.dart:5:17: Error: Undefined name 'i'.

```
for(i=num1;i<10;i++){
```

/tmp/PMPPrZD66ll/main.dart:6:12: Error: Undefined name 'i'.

```
print(i);
```

/tmp/PMPPrZD66ll/main.dart:5:22: Error: Getter not found: 'i'.

```
for(i=num1;i<10;i++){
```

/tmp/PMPPrZD66ll/main.dart:5:10: Error: Setter not found: 'i'.

```
for(i=num1;i<10;i++){
```

| Code with error   | Corrected code  |
|---|---|
| <pre>import 'dart:io'; void main() {   print ("enter a number =");   int? num1= int.parse(stdin.readLineSync());   for(i=num1;i&lt;10;i++){     print(i);}}</pre> | <pre>import 'dart:io'; void main() {   print ("enter a number =");   int? num1= int.parse(stdin.readLineSync());   for(int i=num1;i&lt;10;i++){     print(i);}}</pre> |

### Error 11: Using comma , instead of semicolon ; in for loop condition

ERROR!

/tmp/svKmY03gAQ/main.dart:5:23: Error: Expected ';' after this.

```
for(int i=num1;i<10,i++){
```

/tmp/svKmY03gAQ/main.dart:5:25: Error: Expected an identifier, but got ','.  
Try inserting an identifier before ','.

```
for(int i=num1;i<10,i++){
```

| Code with error  | Corrected code   |
|--|--|
| <pre>import 'dart:io'; void main() {   print ("enter a number =");   int? num1= int.parse(stdin.readLineSync());   for(int i=num1;i&lt;10,i++){     print(i);   }}</pre> | <pre>import 'dart:io'; void main() {   print ("enter a number =");   int? num1= int.parse(stdin.readLineSync());   for(int i=num1;i&lt;10;i++){     print(i);   }}</pre> |

## Error 12: Missing return statement for non-nullable function

ERROR!

/tmp/coMKpvgvli/main.dart:2:5: Error: A non-null value must be returned since the return type 'int' doesn't allow null.

```
int Add(a,b){
```

| Code with error   | Corrected code  |
|---|---|
| <pre>int Add(a,b){<br/>  a+b;}<br/>void main() {<br/>  // function call<br/>  print(Add(5,10)); }</pre> | <pre>int Add(a,b){<br/>  return a+b;<br/>}<br/>void main() {<br/>  // function call<br/>  print(Add(5,10)); }</pre> |

## Error 13: Returning a value from a void function

ERROR!

/tmp/LE3XOH5QdW/main.dart:3:14: Error: Can't return a value from a void function.

```
    return a+b
```

/tmp/LE3XOH5QdW/main.dart:7:12: Error: This expression has type 'void' and can't be used.

```
    print(Add(5,10));
```

| Code with error  | Corrected code   |
|--|--|
| <pre>void Add(int a,int b){<br/>  return a+b;<br/>}<br/>void main() {<br/>  // function call<br/>  print(Add(5,10)); }</pre> | <pre>void Add(int a,int b){<br/>  print(a+b) ;<br/>}<br/>void main() {<br/>  // function call<br/>  Add(5,10); }</pre> |

## Error 14: Missing Class Body

ERROR!

/tmp/ajk9Cx2eHL/main.dart:3:7: Error: A class declaration must have a body, even if it is empty.

Try adding an empty body.

```
class Me;
```

/tmp/ajk9Cx2eHL/main.dart:3:9: Error: Unexpected token ';'.

```
class Me;
```

| Code with error   | Corrected code   |
|---|--|
| <pre>class Me;<br/>  //function<br/>void Myname( String a){<br/>  print("My name is \$a");}</pre> | <pre>class Me{<br/>  //function<br/>void Myname( String a){<br/>  print("My name is \$a");}}</pre> |

## Error 15: Undefined Method Error

ERROR!

/tmp/hT7xryBAD8/main.dart:10:5: Error: The method 'teach' isn't defined for the class 'Teacher'.

- 'Teacher' is from '/tmp/hT7xryBAD8/main.dart'.

Try correcting the name to the name of an existing method, or defining a method named 'teach'.

```
t.teach();
```

| Code with error  | Corrected code   |
|--|--|
| <pre>class Teacher {<br/>  void subject() {<br/>    print("Math"); }}<br/>void main() {<br/>  Teacher t = Teacher();</pre> | <pre>class Teacher {<br/>  void teach() {<br/>    print("Teaching students..."); }}<br/>void main() {<br/>  Teacher t = Teacher();</pre> |



```
t.teach(); }
```

```
t.teach(); }
```

## Error 16: Method Not Found Error

ERROR!

/tmp/0NxyuAgNrU/main.dart:18:6: Error: The method 'bark' isn't defined for the class 'Dog'.

- 'Dog' is from '/tmp/0NxyuAgNrU/main.dart'.

Try correcting the name to the name of an existing method, or defining a method named 'bark'.

```
d1.bark();
```

| Code with error  | Corrected code   |
|--|--|
| <pre>import 'dart:io'; class Animal {   void Sound() {     print("Animals make sounds");}} class Dog extends Animal {   void Bark() {     print("Dog barks : woof woof!");}} void main() {   Dog d1 = Dog();   d1.bark();}</pre> | <pre>import 'dart:io'; class Animal{   void Sound( ){     print("Animals make sounds");}} class Dog extends Animal{   void bark(){     print("Dog barks : woof woof!");}} void main() {   Dog d1=Dog();   d1.bark(); }</pre> |

## Error 17: Wrong Data Type Assignment

ERROR!

/tmp/SVR4Fs4ThC/main.dart:2:13: Error: A value of type 'String' can't be assigned to a variable of type 'int'.

```
int age = '20';
```

| Code with error   | Corrected code  |
|---|---|
| <pre>void main() {<br/>  int age = '20';<br/>  print(age);}</pre> | <pre>void main() {<br/>  int age = 20;<br/>  print(age);}</pre> |

### Error 18: Wrong Operator in Condition

ERROR!

/tmp/DzlCgC4i36/main.dart:3:7: Error: A value of type 'int' can't be assigned to a variable of type 'bool'.

```
if (a = 5) {
```

| Code with error  | Corrected code   |
|--|--|
| <pre>void main() {<br/>  int a = 5;<br/>  if (a = 5) {<br/>    print('Equal');}}</pre> | <pre>void main() {<br/>  int a = 5;<br/>  if (a == 5) {<br/>    print('Equal'); }}</pre> |

### Error 19: Function Parameter Mismatch

ERROR!

/tmp/gJillxQgpP/main.dart:6:6: Error: Too few positional arguments: 2 required, 1 given.

```
add(5);
```

/tmp/gJillxQgpP/main.dart:1:6: Context: Found this candidate, but the arguments don't match.

```
void add(int a, int b) {
```

| Code with error  | Corrected code   |
|--|--|
| <pre>void add(int a, int b) {<br/>  print(a + b);}</pre> | <pre>void add(int a, int b) {<br/>  print(a + b);}</pre> |

|   |  |
|---|--|
| <code>void main() {<br/>  add(5);}</code> | <code>void main() {<br/>  add(5,10);}</code> |
|---|--|

## Error 20: List Index Out of Range (RangeError)

Unhandled exception:

RangeError (length): Invalid value: Not in inclusive range 0..2: 3

#0 List.[] (dart:core-patch/growable\_array.dart)

#1 main (file:///tmp/AqxPffx6LW/main.dart:5:13)

#2 \_delayEntrypointInvocation.<anonymous closure> (dart:isolate-patch/isolate\_patch.dart:314:19)

#3 \_RawReceivePort.\_handleMessage (dart:isolate-patch/isolate\_patch.dart:193:12)

| Code with error   | Corrected code  |
|---|---|
| <code>void main() {<br/>  var nums = [1, 2, 3];<br/>  print(nums[3]);}</code> | <code>void main() {<br/>  var nums = [1, 2, 3];<br/>  print(nums[2]);}</code> |

## Error 21: Incorrect Function Return Type

ERROR!

/tmp/rda6N2E6zP/main.dart:3:10: Error: A value of type 'String' can't be returned from a function with return type 'int'.

```
return '100';
```

| Code with error  | Corrected code   |
|--|--|
| <code>int getValue() {<br/>  return '100';}<br/>void main() {<br/>  print(getValue());}</code> | <code>int getValue() {<br/>  return 100;}<br/>void main() {<br/>  print(getValue());}</code> |

## Error 22: Null Safety Error While Taking Input

ERROR!

/tmp/dRaIK6cpdw/main.dart:5:23: Error: A value of type 'String?' can't be assigned to a variable of type 'String' because 'String?' is nullable and 'String' isn't.

```
String city = stdin.readLineSync();
```

| Code with error   | Corrected code   |
|---|--|
| <pre>import 'dart:io'; void main() {   print("Enter your city:");   String city = stdin.readLineSync();   print("City: \$city");}</pre> | <pre>import 'dart:io'; void main() {   print("Enter your city:");   String? city = stdin.readLineSync();   print("City: \$city");}</pre> |

## Error 23: Non-Boolean Expression in While Condition

ERROR!

/tmp/6u7RAI96Os/main.dart:3:10: Error: A value of type 'int' can't be assigned to a variable of type 'bool'.

```
while (i) {
```

| Code with error  | Corrected code  |
|--|---|
| <pre>void main() {   int i = 0;   while (i) {     print(i);     i++;}}</pre> | <pre>void main() {   int i = 0;   while (i &lt; 5) {     print(i);     i++;}}</pre> |

## Error 24: Missing Semicolon in do-while Loop

ERROR!

/tmp/fwWdshmsEQ/main.dart:6:17: Error: Expected ';' after this.

```
} while (i < 5)
```

| Code with error  | Corrected code  |
|--|---|
| <pre>void main() {   int i = 0;   do {     print(i);     i++;   } while (i &lt; 5) }</pre> | <pre>void main() {   int i = 0;   do {     print(i);     i++;   } while (i &lt; 5) ;}</pre> |

## Error 25 Invalid else-if Syntax

ERROR!

/tmp/AJ0smyVwNd/main.dart:6:15: Error: Expected ')' before this.

```
else (marks > 80) {
```

/tmp/AJ0smyVwNd/main.dart:8:3: Error: Expected ';' after this. }

| Code with error  | Corrected code  |
|--|---|
| <pre>void main() {   int marks = 80;   if (marks &gt; 90) {     print("A+");}   else (marks &gt; 80) {     print("A");}}</pre> | <pre>void main() {   int marks = 80;   if (marks &gt; 90) {     print("A+");}   else if (marks &gt; 80) {     print("A");}}</pre> |

## Error 26: Duplicate Case Values

/tmp/uF3aB1XyTt/main.dart:7:10: Error: Duplicate case value '1'.

```
case 1:
```

| Code with error  | Corrected code   |
|--|--|
| <pre>void main() {   int num = 1;   switch (num) {     case 1:</pre> | <pre>void main() {   int num = 1;   switch (num) {     case 1:</pre> |

|  |  |
|--|--|
| <pre>print("One"); break; case 1: print("Duplicate"); break;}}</pre> | <pre>print("One"); break; case 2: print("Two"); break;}}</pre> |
|--|--|

## Error 27: Missing Default Error

### ERROR!

/tmp/Lx9aQw3sER/main.dart:3:3: Warning: Switch statement has no default case.

```
switch (grade) {
```

| Code with error   | Corrected code   |
|---|--|
| <pre>void main() {   int grade = 3;   switch (grade) {     case 1:       print("Excellent");       break;     case 2:       print("Good");       break;}} }</pre> | <pre>void main() {   int grade = 3;   switch (grade) {     case 1:       print("Excellent");       break;     case 2:       print("Good");       break;     default:       print("Invalid grade"); }</pre> |

## Error 28: Incompatible List Data Type

### ERROR!

/tmp/pLFzpTrePI/main.dart:2:27: Error: A value of type 'String' can't be assigned to a variable of type 'int'.

```
List<int> nums = [1, 2, 'Hi'];
```

| Code with error   | Corrected code   |
|---|--|
| <pre>void main() {   List&lt;int&gt; nums = [1, 2, 'Hi'];</pre> | <pre>void main() {   List&lt;int&gt; nums = [1, 2, 3];</pre> |

```
print(nums);}
```

```
print(nums);}
```

### Error 29: Missing @override Annotation (Overriding Error)

/tmp/Fb6RqX7yJt/main.dart:10:8: Warning: This method overrides a method annotated as @mustCallSuper in 'Parent', but does not call super.method().

```
void greet() {
```

| Code with error  | Corrected code   |
|--|--|
| <pre>class Parent {<br/>  void greet() {<br/>    print("Hello from Parent");}}<br/><br/>class Child extends Parent {<br/>  void greet() {<br/>    print("Hello from Child");}}<br/><br/>void main() {<br/>  Child c = Child();<br/>  c.greet();}</pre> | <pre>class Parent {<br/>  void greet() {<br/>    print("Hello from Parent"); }}<br/><br/>class Child extends Parent {<br/>  @override<br/>  void greet() {<br/>    super.greet();<br/>    print("Hello from Child");}}<br/><br/>void main() {<br/>  Child c = Child();<br/>  c.greet();}</pre> |

### Error 30: Invalid Use of super() Constructor

ERROR!

/tmp/euZFkCS50q/main.dart:8:18: Error: Too few positional arguments: 1 required, 0 given.

```
Child() : super();
```

| Code with error  | Corrected code   |
|--|--|
| <pre>class Parent {<br/>  Parent(String msg) {<br/>    print(msg);}}</pre> | <pre>class Parent {<br/>  Parent(String msg) {<br/>    print(msg);}}</pre> |

```
class Child extends Parent {  
    Child() : super(); }
```

```
void main() {  
    Child();}
```

```
class Child extends Parent {  
    Child() : super("Hello from Child"); }
```

```
void main() {  
    Child();}
```