

DART - Day2

- Strings in Dart

An example program to represent strings in dart:

```
main() {  
  
    String str1 = "Manipulation of 'String'";  
  
    print('Dart has ${str1.toUpperCase()}'); //It prints Dart has  
MANIPULATION OF 'STRING'  
  
}
```

- Triple quotes (''' or """) let you write **multi-line** strings or strings that contain both single and double quotes without escaping them.

Without `.trim()`, the spaces before **"Samudrala"** would appear in the output.

Prefixing with **r** makes it a **raw string** — escape sequences like `\n` are **not** interpreted as special characters.

Sample example code:

```
main() {  
  
    String str = '''this is the string which might be enclosed with  
triples''';  
  
    print(str);  
  
    String name = "        Samudrala Tarunika";  
  
    print('welcome ${name.trim()}');  
  
    String name1 = r"Samudrala\nTarunika";
```

```

    print(r'welcome ${name1}');
}

```

- Accessing Record Fields

```

main() {
    var data = ("Tarunika", "L&D", "iexceed", 21, true);
    print(data.runtimeType); //Prints (String, String, String, int, bool)
    print(data.$1);
    print(data.$2);
    print(data.$3);
    print(data.$4);
    print(data.$5);
}

```

- Accessing with Named Fields

Dart record with named fields, and accessing each field directly by its name.

```

var employee = (name: "Tarunika", dept: "L&D", company: "iexceed", age:
21, active:true)
print(employee.name);    // Tarunika
print(employee.dept);    // L&D
print(employee.company); // iexceed
print(employee.age);     // 21
print(employee.active);  // true

```

- using Dart records to return multiple values from a function

```

({String name, int age}) displayData() {
    return (name: "Tarunika", age: 21);
}

void main() {
    var (:name, :age) = displayData(); // Destructuring with names
}

```

```
    print('Hi $name you are $age years old');  
}
```