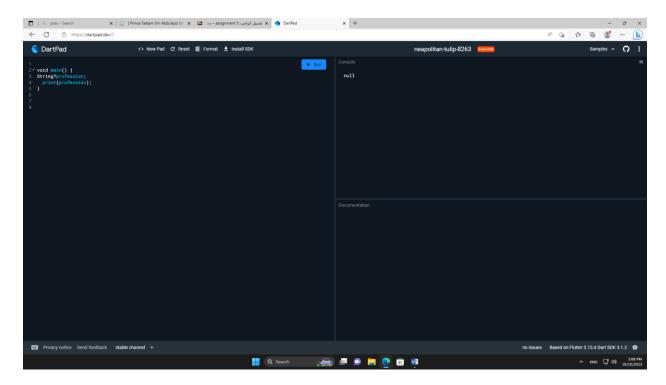
- 1. Create a 'String?' variable called 'profession', but don't give it a value.
- 2. Then you'll have 'profession' 'null'. Get it? Professional?
- 3. Print the output.
- 4. Comment on the output you have seen.

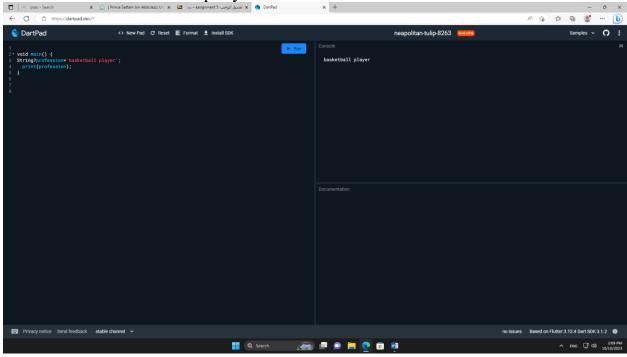


```
void main() {
String?profession;
print(profession);
}
```

## Exercise 2

- 1. Give 'profession' a value of "basketball player".
- 2. Print the output.

3. Comment on the output you have seen.



```
void main() {
String?profession='basketball player';
  print(profession);
}
```

## Exercise 3

1. Write the following line and then hover your cursor over the variable name. What type does Dart infer 'iLove' to be? 'String' or 'String?'?

```
const iLove = 'Dart';
```

## Challenge 1: Naming Customs

People around the world have different customs for giving names to children. It would be difficult to create a data class to accurately represent them all, but try it like this:

- 1. Create a class called 'Name' with 'givenName' and 'surname' properties.
- 2. Some people write the surname last and some write it first.
- 3. Add a Boolean property called 'surnameIsFirst' to keep track of this.
- 4. Not everyone in the world has a surname.
- 5. Add a 'toString' method that prints the full name. class Name {

```
String givenName;
 String?surName;
 bool surnameIsFirst:
 Name(this.givenName,this.surName,this.surnameIsFirst);
 @override
 String toString(){
  if (surName!=null){
   if(surnameIsFirst){
    return'$surName $givenName';
     else{
    return '$surName$givenName';}
    else{
    return givenName;
void main(){
Name name1=Name('john','Doe',true);
print(name1);
Name name2=Name('jahn',null,false);
```

## print(name2);

