

Supplier Functional Interface

Predicate - test()
Function - apply()
Consumer - accept()
Supplier - get() -> it won't take any arguments.

Supplier - just supply my required Objects and it won't take any input then we should go or Supplier (FI).

```
Interface Supplier <R>
{
    public R get();
}
```

R - Return Type.

```
Ex:
import java.util.Date;
import java.util.function.Supplier;

public class SupplierExample {
    public static void main(String[] args) {
        Supplier<Date> s = () -> new Date();
        System.out.println(s.get());
    }
}
```

Output:
Fri Jul 10 16:39:17 IST 2020

Ex:By using Supplier (FI) to Generate OTP.

```
import java.util.function.Supplier;

public class SupplierOtp {
    public static void main(String[] args) {
        Supplier<String> s = () -> {
            String otp = "";
            for (int i = 0; i < 6; i++) {

                otp = otp + (int) (Math.random() * 10);
            }
            return otp;
        }
    }
}
```

```
};  
System.out.println(s.get());  
System.out.println(s.get());  
System.out.println(s.get());  
System.out.println(s.get());  
System.out.println(s.get());  
System.out.println(s.get());  
}  
}
```

Output:
568361
124161
346064
240164
857675