

Day 9 (5th August 2024):

- 1) Create a Functional interface ResultFinder with following method.
Public String result(Student student);

Create a class student with the following fields

```
Int rno  
Int name  
Int marks
```

And the following method

```
Public Boolean getResult(ResultFinder resultfinder){  
Return resultFinder.result();  
}
```

Create another class University

```
Class University {  
  
    Public void printStudentResult(List<Student> students,ResultFinder rf){  
  
        For (Student s: students){  
  
            If (rf.getResult(s)){  
  
                System.out.println(s.getId()+""+s.getName()+""+s.getMarks+""+"PASS");  
  
            }  
  
            Else  
  
            {  
  
                System.out.println(s.getId()+""+s.getName()+""+s.getMarks+""+"Fail");  
  
            }  
  
        }  
  
    }  
}
```

Create Main class

```
Public FunctonalDemo{  
  
Public static void main(String[] args){}  
  
List<Student>studentList=Arrays.asList(  
  
New Student(1,"raj",51),
```

```
New Student(2,"Pradeep",41),  
New Student(3,"sheetal",55),  
);  
//print all PASSED Students using by calling the printStudentResult method  
//print all FAILED Students using by calling the printStudentResult method
```

//Note: Implement lambda expression for ResultFinder interface and pass that as argument to printStudentResult method s

```
}  
}
```

Create a list of 10 students using above student class and find the list of employees whose names start with "a".

Note: Use Stream API to solve above question.