ADP Review Topics

1. Process

- Process definition
- Swimlane diagram
- ETVX

2. Inspection

- Definition
- Roles
- Steps
- Metrics

3. Software Configuration Management

- Definition
- 5 main activities:
  - Configuration identification
  - Configuration control
  - Configuration status accounting
  - Configuration evaluation and reviews (Audit)
  - Release Process

4. Git and github

- Git basic commands

5. Fixing defect:

- Steps to fix defect

6. Refactoring

- Definition
- Refactoring in eclipse

7. Unit test

- Definition
- Unit test in eclipse using Junit

ADP Sample questions

Question 1:   What are SMART objectives?

Question 2:   What is a process?

Question 3:   What is the difference between a white box and black box process?

Question 4:   What does ETVX stand for?

Question 5:   Why use a Swimlane diagram?

Question 6:   What are the pros and cons for the "Email Pass-Around" review process?

Question 7:   What are the pros and cons for "Pair Programming" review process?

Question 8:   Why formal software inspections is sometimes called "Fagan Inspections"?

Question 9:   Why are there so many different types of reviews?

Question 10:   What types of metrics are usually collected during a formal inspection?

Question 11:   Why is it cheaper to fix defects earlier?

Question 12:   Can reviews help prevent future defects? Why?

Question 13:   What does the "git pull" command do?

Question 14:   What does the "git push" command do?

Question 15:   What does the "git commit" command do?

Question 16:   What does the "git log" command do?

Question 17:   What should go under software configuration management control?

Question 18:   What is a "build"?

Question 19:   What is configuration management used for?

Question 20:   What is a "repository"?

Question 21:   What are the rules for making code changes?

Question 22:   What is continuous integration?

Question 23:   What are the three types of code changes?

Question 24:   Is refactoring the same as fixing defects?

Question 25:   What is "Test Driven Development"?

Question 26:   What are the steps for fixing a defect?

Question 27:   Is it always easy to reproduce a software bug? Why or why not?

Question 28:   What is refactoring?

Question 29:   What is the goal of refactoring?

Question 30:   Does refactoring change the software's functionality?

--- The End ---