Chapter two assignment

REVIEW QUESTIONS

1. False
2. True
3. False
4. True
5. False
6. True
7. True
8. False
9. True
10. True

MULTIPLE CHOICE

1. c
2. a
3. d
4. c
5. a
6. b
7. b
8. d
9. a
10. d

DISCUSSION

NO.1

The six steps in the software development process include the following as explained;

Requirements gathering, this involves understanding what the client needs from the software. The gathering of the necessary requirements is got from discussions, interviews and analysis.

Planning, this involves creating a blueprint for the software architecture, user interfaces, data models. This phase ensures the software to be scalable, efficient and maintainable.

Implementation, this involves developers writing the actual code based on the design. The developers use the programming languages and tools to create the software components.

Testing, this is where the software undergoes testing to identity and fix the bugs or issues. The software should function correctly and meets the specified requirements.

Deployment, this involves the installing of the software on servers, configuring it and ensuring it runs smoothly in the live production environment.

Maintenance, this involves ongoing support to fix any issues that arise, make updates and add new features as needed. It ensures the software remains functional and relevant over time.

NO .3

Definite Loop, this is a loop that executes a specific number of times a block of code must be repeated.

For Loop, this is a type of definite loop that executes a block of code to a certain number of times.

Counted Loop, this is another definite loop that emphasizes that the loop runs a specific number of times.

N0.4

1. output

0 1 4 9 16

1. output

3 1 4 1 5

1. output

Hello

Hello

Hello

Hello

d)output

0 1

1 2

2 4

3 8

4 16