**Exercise 1:**

* Software developer: creating, testing, and maintaining software applications.
* CyberSecurity: protects systems, networks, and program from digital attacks, ensuring data confidentiatiality and integrity
* Data analyst : Involving extracting insights from data to help business make informed decision.
* Database administration: Manage and organize databases that store and retrieve data.
* UI/UX Designer: Create digital interfaces that are visually appealing, user-friendly, and provide a positive overall experience for the end user.

**Exercise 2:**

1. A **hardware engineer** designs and develops IT devices.
2. A **software engineer** writes computer programs.
3. A **blog administrator** edits and deletes posts made by contributors to a blog.
4. A **DTP (Desktop publishing) Operator** uses page layout software to prepare electronic files for publication.
5. A **network administrator** manages the hardware and software that comprise a network.
6. A **webmaster** designs and maintain websites.
7. A **computer security specialist** works with companies to build secure computer systems.
8. A **helpdesk technician** helps end-users with their computer problems in person by email or over the phone

**Exercise 3:**

1. Sylvia is a **network administrator**
2. Isabelle is a **network architect**
3. Andrew is a **IT Support Officer**
4. Mark and Latika are **database analyst**

**Exercise 4 (listening):**

**Exercise 5 (listening):**

**Exercise 6 (listening):**

**Exercise 7 (listening):**

**Exercise 8 (listening):**

**Exercise 9:**

1. What is the general idea of the above article?

The article highlights the diverse career opportunities in Information Technology (IT), emphasizing its flexibility across industries. It underscores the vital role of IT in major sectors and as an independent industry, with the Information Technology Association of America reporting a substantial presence of IT workers in non-IT companies. The need for continuous learning, technical certifications, and adaptable skills is stressed, concluding with an encouragement for individuals to explore the abundant and well-paying job prospects in the dynamic field of IT.

1. What role does IT play in today?

Today's IT plays a critical role in the work of all major industries as well as being a distinct industry on its own.

1. How can students start to become a computer technician?

Students can get started with specialized training, an appropriate industry-skill certification, an Associate degree in a computer related field, plus hands-on experience with computers.

1. Why should IT workers upgrade their knowledge and skills?

Because the field of IT envolves rapidly, with new tachnologies, programming languages, frameworks, and tools emerging regularly. Also, in a competitive job market individual with up-to-date skills are more likely to stand out employes.

1. What is/are needed by an individual to enroll in the IT career?

They should possess curiosity, have ability to think logically, and have strong problem-solving skills, a working knowledge of mathemathics and good communication skills.

**Exercise 11:**

1. Technical qualifications **need to** be renewed at intervals to ensure they do not go out of date.
2. You **must not** become an expert in too narrow a field.
3. You **have to** have good communication skills to become an IT Manager.
4. You **don't have to** be an expert in hardware to become a programmer.
5. You **must have** workwith IBM mainframes for at least two years.
6. You **must** be able to show leadership.
7. You **don't have to** have a degree, but it **must be** in computing science.
8. You **need to** have experience in JavaScript.
9. You **must** use C++.
10. These days you **don't have to** know BASIC.

**Exercise 12:**

1. What is your dream job? Why do you want it?

Web developer. I want it because I want to challenge myself to do something that I don’t really like (a.k.a design). I want to design a website. But I want to make a program for that too.

1. What are the responsibilities for the job?

To create and design a website.

1. How can you succeed in pursuing your dream job?

To succeed pursuing my dream job, I have to learn to make a website step by step, try to practice everyday with make a project, and learn how to design a website.

1. Do you think it is possible to reach your dream job? Why (not)?

Yes.