**WEEK-1**

Hi I am Metin.

I live in Turkey. I have been married for five years and I have a daughter. After working 15 years as an electronic engineer in government, I lost my job in 2017 and since then I have been working from home.

I have no work experience in information technology field. However, the digital transformation experienced in many areas during the Covid-19 raised my awareness of the IT sector. I think the IT sector will be the focus of human life in the future. That's why I want to take part in this sector.

I think I can start a new career in IT and I believe this sector would offer me and my family a better life.

**Week-2**

Hi, My name is Metin,

I am 37 years old. I lost my job a few years ago and since then I have been working freelance.

I wanted to attend this course due to getting a new job, starting a new career, and having a better future.

My only experience in this area is the Pascal programming language course from my university years.

However, I don't think it will be a problem as long as I work hard.

I believe I can gain many skills and improve myself in this field during the course.

I am looking forward to seeing the days I will accomplish this course and get a new job.

**Week-3 what ıs a computer? Can we say a telephone or a car computer?**

A computer is any device that accepts input, stores and processes data and gives an output.

Computers make people’s lives easy and   
they are designed to execute applications and   
provide a variety of solutions by combining integrated parts.

Computers have two main parts: hardware and software.

Hardware refers to physical parts of a computer such as CPU, storage devices like HDD or SSD, Memory or Ram, input and output devices like keyboard, mouse, screen, communication devices.

The software includes all executable and   
non-executable data, such as documents, digital media and online information. A computer’s operating system and all its applications are a software as well.

As a result, we can consider telephones or a modern cars computer.

**Week-5 What is Linux Kernel?**

The Linux Kernel is a low-level system software. It is the core part of Linux operating system and It has four responsibilities as device management, memory management, process management and handling system calls.

It is also used to provide an interface for user-level interaction.

**Week-6 What is Python?**

Python is an interpreted, object-oriented, high-level programming language with dynamic semantics.

It was created by Guido van Rossum and released in 1991.

Python supports modules and packages, which encourages program modularity and code reuse.

Its high-level built in data structures, combined with dynamic typing and dynamic binding, make it very attractive for

* Rapid Application Development
* system scripting

**What İs The Differences ?**

Programs can be developed **very quickly** with this language.

**The simple and clean syntax** of the Python has made it a preferred language by many programmers.

In addition it's **easy to write** programs and **read a program** written by others.

Python has a wide range of **libraries and build-in data structure**.

Besides that it is a **free and open source** programming language.

So, it has been widely used - especially in Data Science - and has received lots of demands in recent years.

**What kind of source control tool do you use?**

I prefer to use GIT as a source control tool.

Git is a free and open source, distributed version-control system for tracking changes in source code during software development.

It is designed to handle everything from small to very large projects with speed and efficiency

Git has the functionality, performance, security and flexibility that most teams and individual developers need.

It outclasses tools like Subversion, CVS and Perforce with features like cheap local branching, convenient staging areas, and multiple workflows.