



WELCOME TO UET





# Golden Circle



# Three Important Components

Any Task, Activity or Goal can be converted into three Major Components.

- **What** is the Task
- **How** we are doing the Task
- **Why** we are doing it

# Three Important Components

## Three Components of this

- **What**
  - Taking Lecture, Review It, Doing Assignments
- **How** we are doing the Task
  - The Way you take notes, review the lecture
- **Why** we are doing it
  - What is the reason you have to do all this ?

# Everyone has its own why

Some time why is **explicitly stated** and some time it is hidden somewhere in our head.

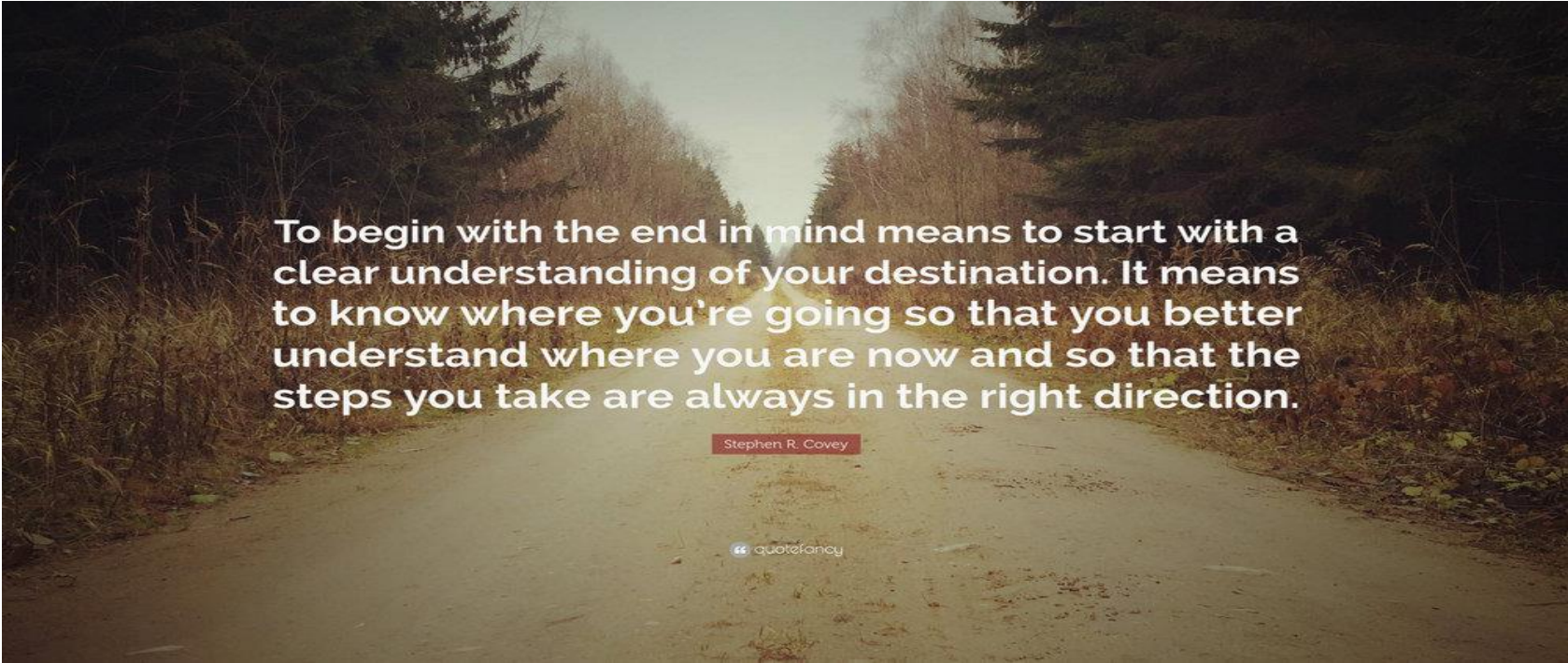
|| Everyone has its own why

What is your WHY ?

# Importance of WHY ?

کوئی انسان کتنا عظیم ہے اس کو سمجھنے کے لیے یہ نہیں دیکھنا  
چاہیے کہ وہ کیا حاصل کر چکا ہے بلکہ یہ دیکھنا چاہیے کہ وہ کیا  
حاصل کرنا چاہتا ہے۔

# Importance of WHY ?



To begin with the end in mind means to start with a clear understanding of your destination. It means to know where you're going so that you better understand where you are now and so that the steps you take are always in the right direction.

Stephen R. Covey

“ quote fancy



# Importance of WHY ?

خردمندوں سے کیا پوچھوں کہ میری ابتدا کیا ہے  
کہ میں اس فکر میں رہتا ہوں، میری انتہا کیا ہے  
خودی کو کر بلند اتنا کہ ہر تقدیر سے پہلے  
خدا بندے سے خود پوچھے، بتا تیری رضا کیا ہے  
(علامہ اقبال)



# What is Vision ?

“Vision is the  
picture of the future  
that we want to  
see.” *Peter Senge*



# Alice is WonderLand ?





By end of this week you  
shall be able to define  
**Vision of our first Year**





But before that let  
**understand** some  
terminologies and words



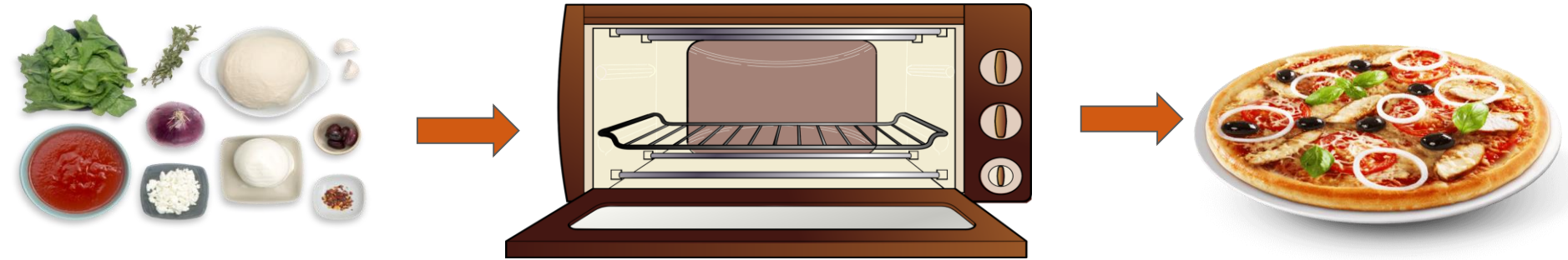
# What is a Computer

Computer has revolutionized the world



# What does a **machine** do?

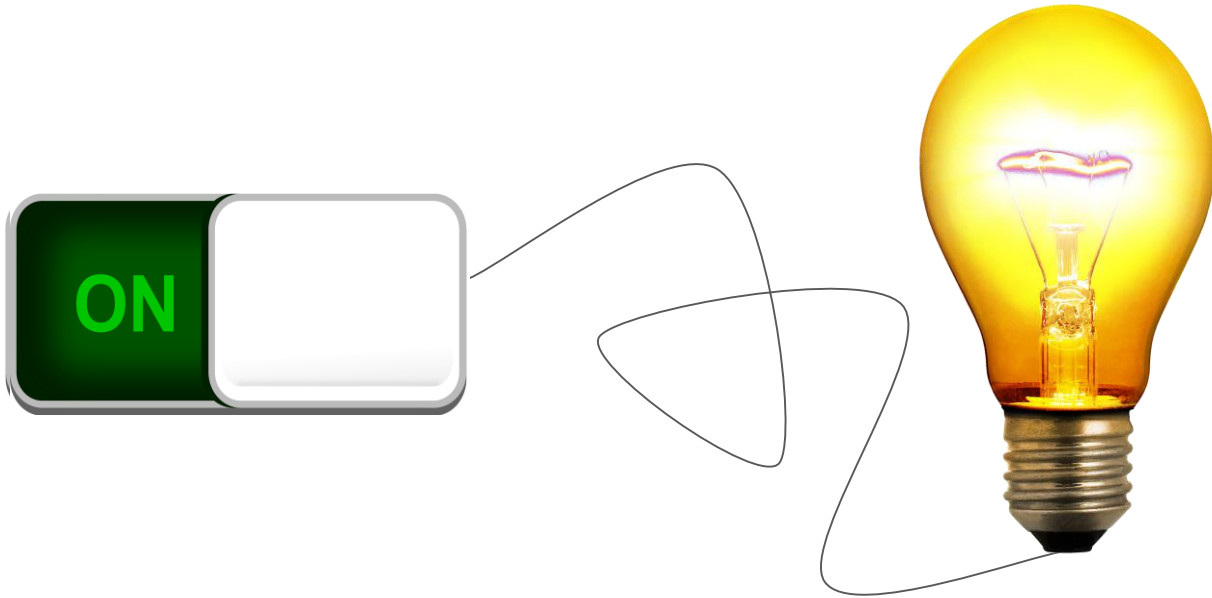
Every machine takes **input**, **process** on it and gives **output**





# What does a **machine** do?

Every machine takes **input**, **process** on it and gives **output**



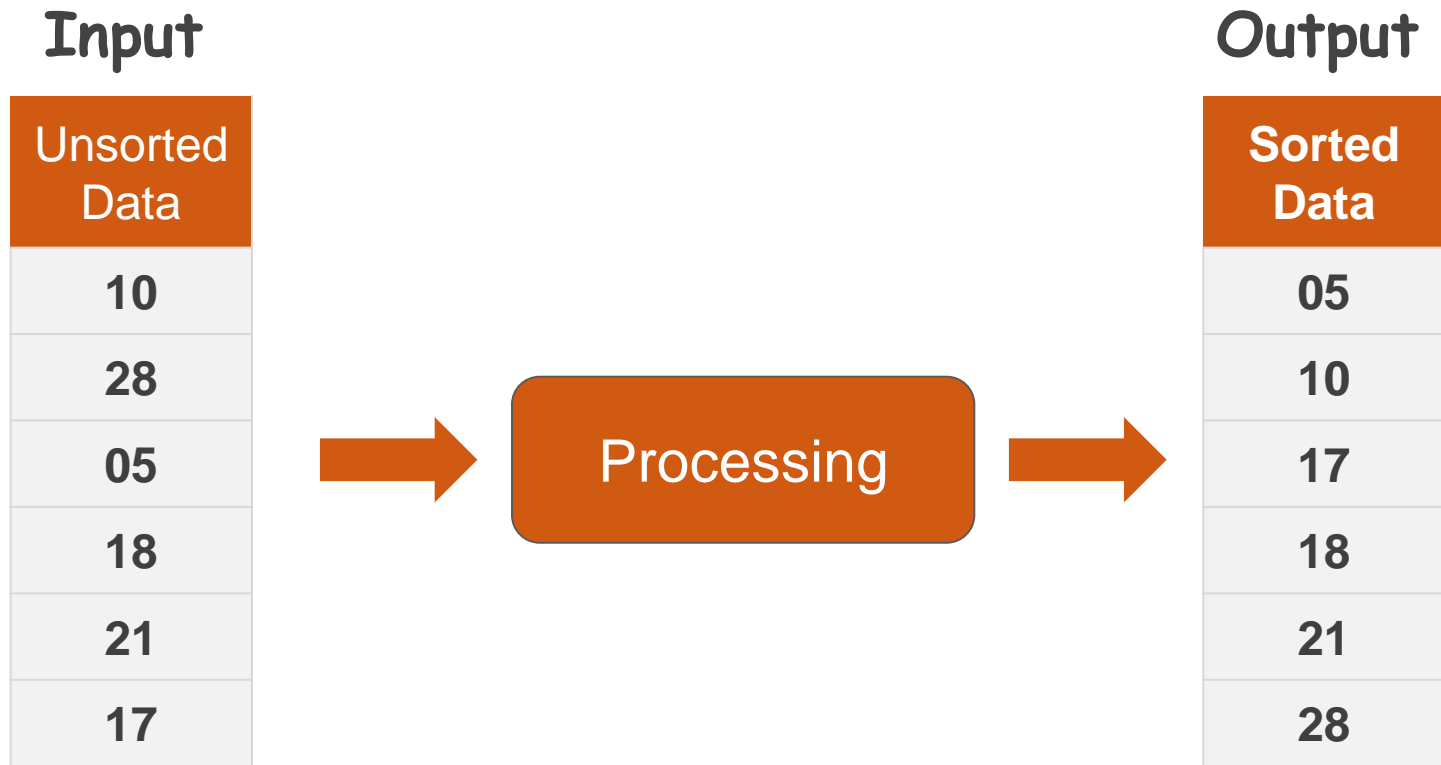


# Computer is also a machine

It takes **input**, **process** on it and gives **output**



# Processing on Text



# Processing on Image

Input



Processing



Output

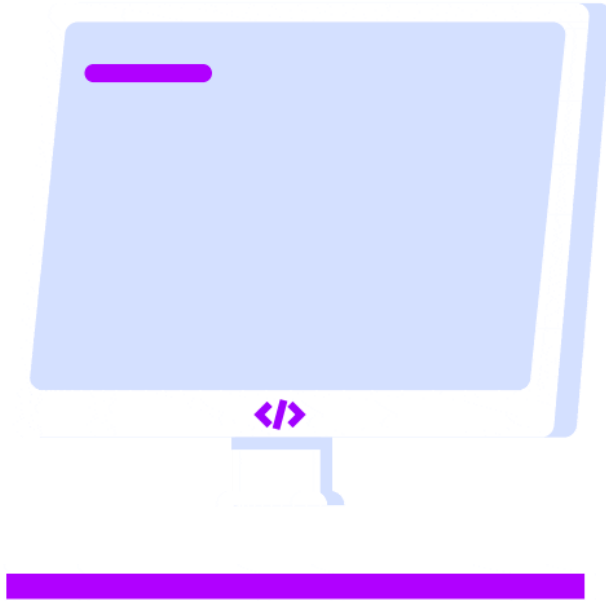


# What makes the Computer Powerful?

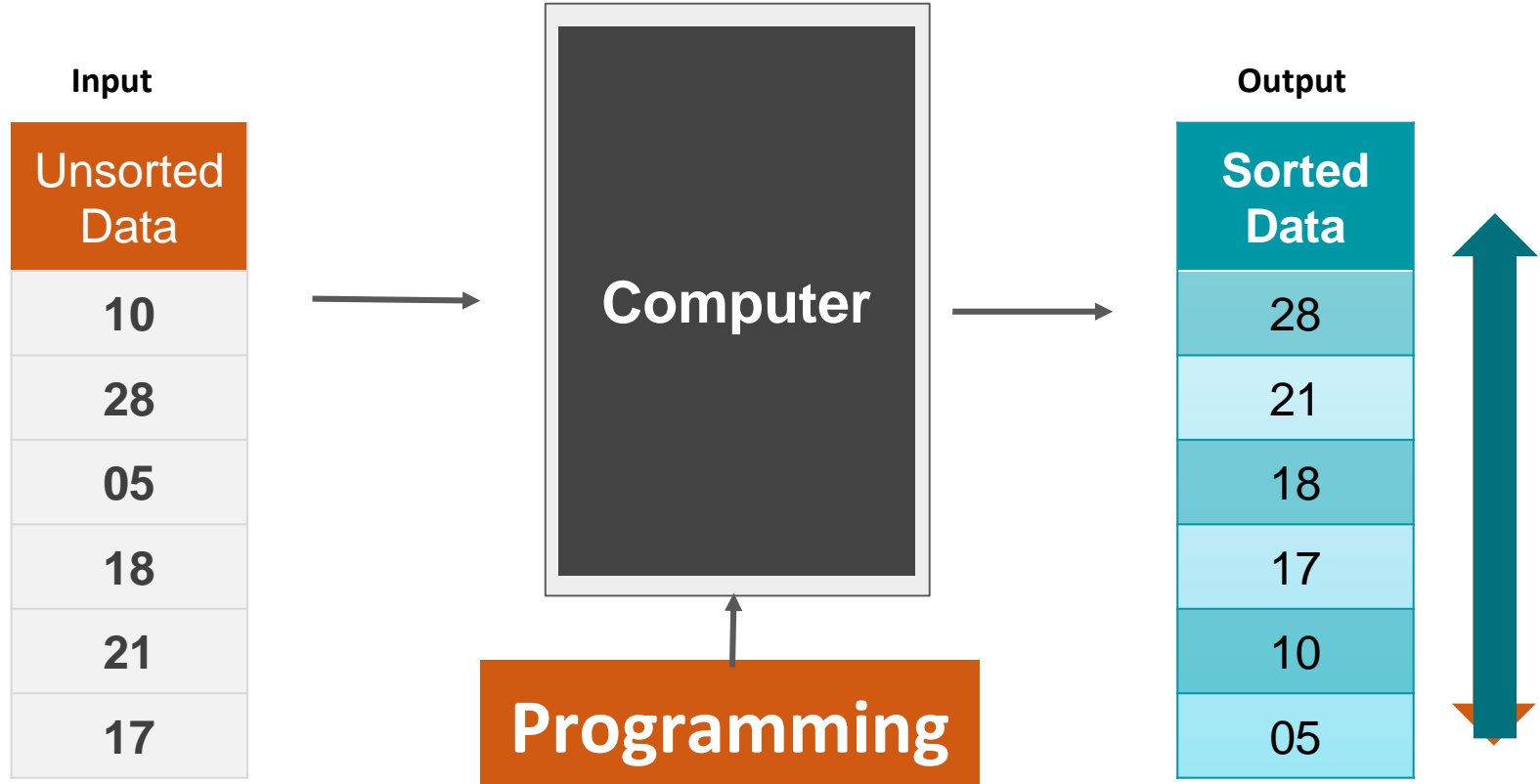


# What makes the Computer Powerful?

We can give **instructions**, that tells the computer how to convert an input to relevant output



# Sorting Ascending Order



# || The Power of Programming



# Learning Objective

Now, you should be able to **Define** what is the **vision**, why it is important, what is **computer** and role of **Programming**





# Conclusion

- Computer is a machine that **Converts** one form of **Data** into other form of **Data**.
- Traditional Machines have **Predefine Behaviour** that can not be changed.
- Unlike other machine, we can instruct Computer to do **Different Tasks**.
- It is achieved through **Programming**.



# Self Assessment

1. What is **Machine**?
2. What type of **Input** we can give to Computer?
3. What is **Difference** between computer and other machines?



# Your Teachers



**Maida Shahid**



**Laeq Khan Niazi**



**Mirza Osama Ijaz**

# Your Seniors to help you



**Hafsa Rashid**

I always like to help my juniors..



**Tajammal Maqbool**

I love Programming. I like to help people to learn Programming. I want to become a Great Game Developer



**Eman Muneeb**

I like to do programming and developed many programs and applications including web application.

# Your Seniors to help you



**Mian Zain ul Tahir**

As a student I can describe myself as friendly, enthusiastic and respectful person. I am very much fond of programming



**Shanza Nadeem**

I am Shanza Nadeem. I am a Computer Science student at UET. My passion is to learn new and creative things.



**Abdullah Uppal**

I am very passionate about programming. I've been trying ReactJS from past few days. I am very eager to help out juniors in programming too.



# Your Seniors to help you



## Kashir Saeed

Currently, I'm in third semester. Basically, the main thing about programming is logic building. If any of the students does not have good logic than don't panic.



## Umair Ahmed

I am from Chakwal. My programming experience with Dr. Awais Hassan was too good. I am always energetic and eager to learn new skills.



## Roha Khan

This is Roha Khan . My hobbies were reading, writing, sketching, crafting but from the past one year programming have become the center of my interest.

# Your Seniors to help you



**Rizwan**

Hello everyone! My name is Rizwan and I love to play with computers and machines 😊



**Mahnoor Khan**

My name is Mahnoor Khan. All I know is all you'll know!



**Farrukh Haider**

Currently in third semester of BSCS. Like to learn and explore things related to tech.

# Your Seniors to help you



**Khuzaima Umair**

Programming and learning something new passion. I have great expertise in programming. I want to share my knowledge with others because it helps in increasing our knowledge



**Muhammad Awais**

Programming is my passion. I have interest in tech and I explore new technologies in my free time.



**Muhammad Aqib**

Programming has always been a strong aspect of mine, So through this opportunity I would like to further polish my skills and help my juniors do the same for themselves.



# Your Seniors to help you



**Ridsa**

I wanna participate in programming day to improve my logic building skills and to help others in error resolving (debugging)



**Muhammad Ali Murtaza**

I am from C section 2020 session of CS department And I like to deliver what I have gained



**Asad Mehmood**

My name is Asad Mehmood. Currently am in 3rd semester. I want to help out juniors and also to improve my skills more.

# Your Seniors to help you



**Suhaib Awan**

Hi Im Suhaib Awan and I really dig coding. Currently Im working on machine learning modules along with web APIs.



**Musawir Ahmed**

Love to learn new things.



**Zeshan Ayub**

I'm Muhammad Zeshan Ayub from Section C 2020-CS-113. I am eager to learn new technologies and skills in IT field.

# || Your Seniors to help you



## **Hammad Anwer**

This is Hammad Anwer. I really have a great foboff to explore , develop, and make today better than yesterday.



## **Mujahid Hussain**

I'm Mujahid Hussain, a software developer with exceptional problem-solving skills. I am eager to deliver what I have.



## **Moiz ul Haq**

My name is Moiz ul haq I like to build new logics also want to help beginner programmer's by making programming easy for them. I am always here to help my juniors.

# || Your Seniors to help you



## **Humna**

I'm humna a sophomore in university of engineering and technology's computer science department with concentration in front-end development,