



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.

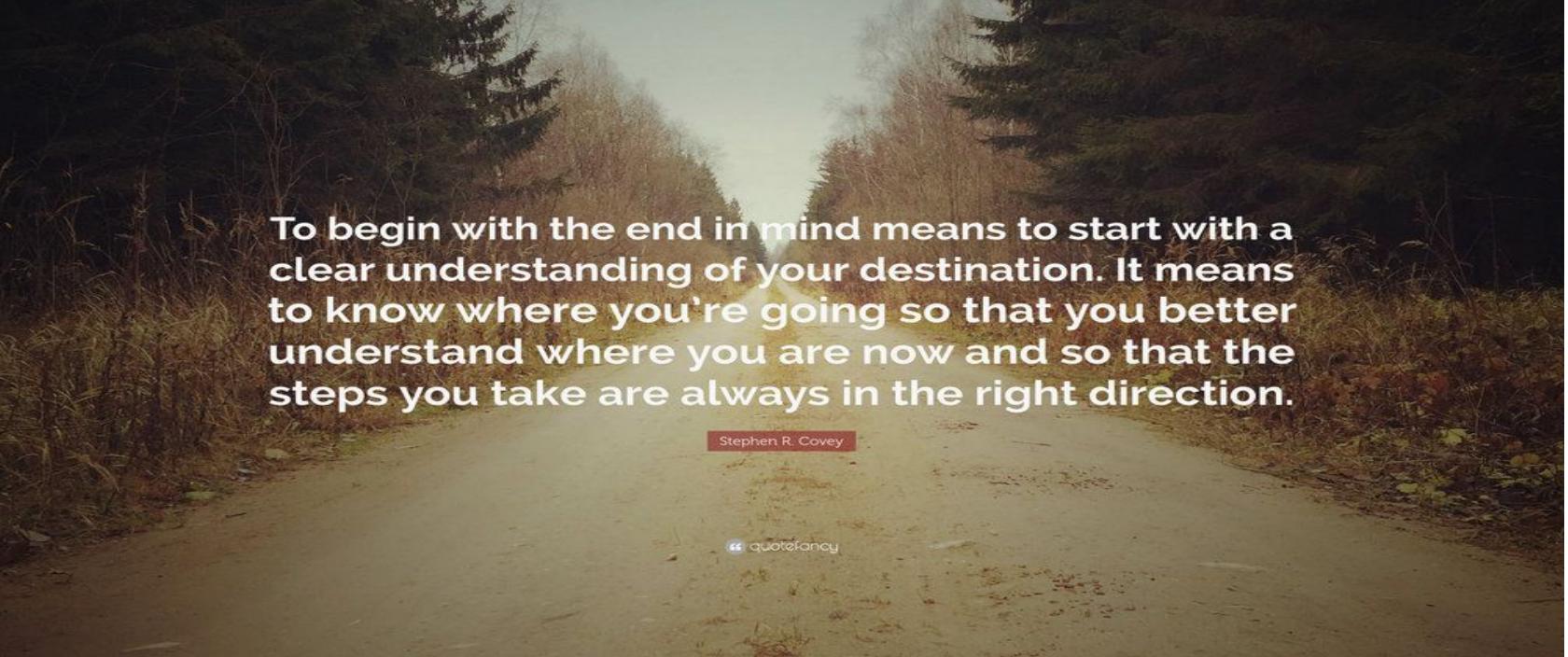
Everyone has its own why

What is your WHY ?

Importance of WHY ?

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

quotefancy

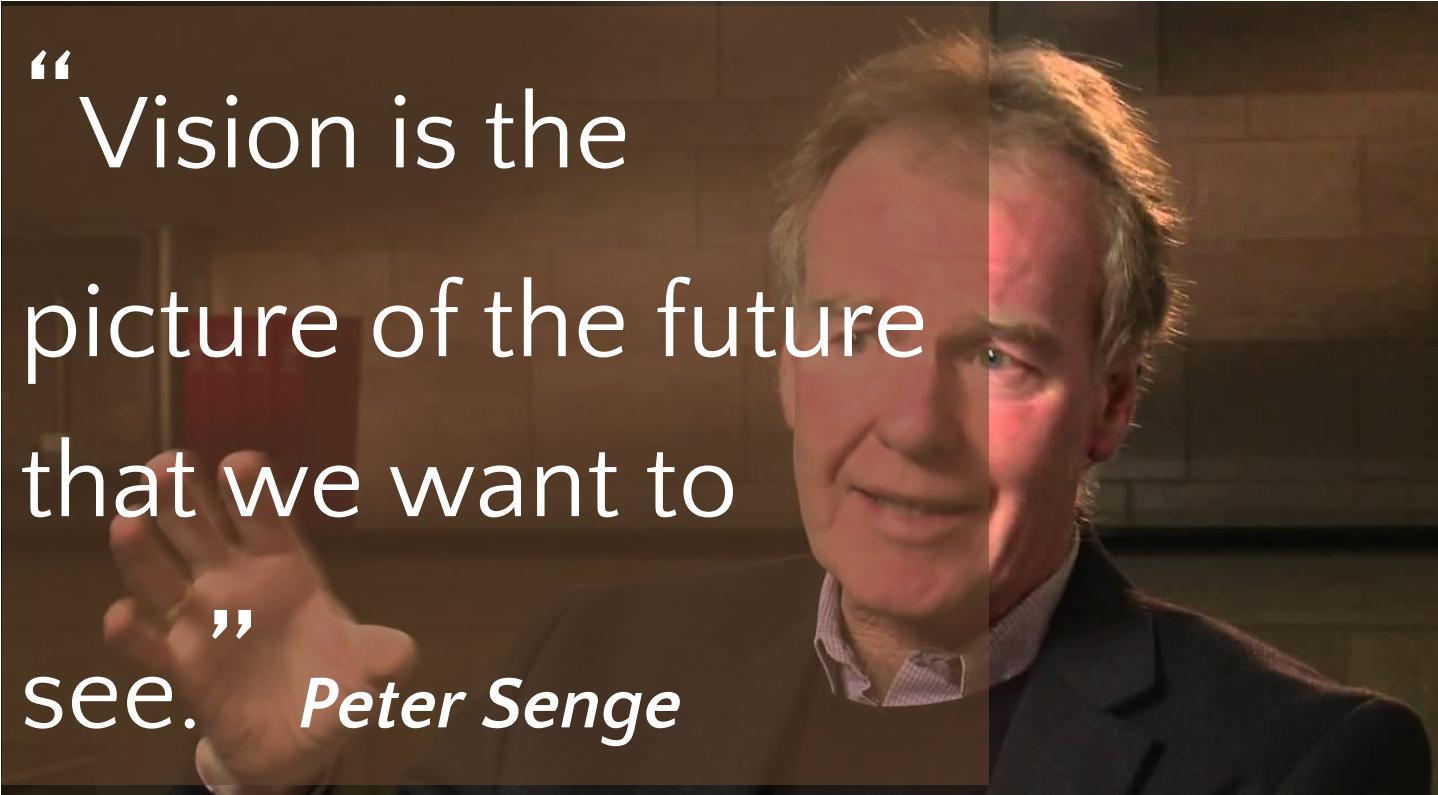
Importance of WHY ?

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 پوچھئے، 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



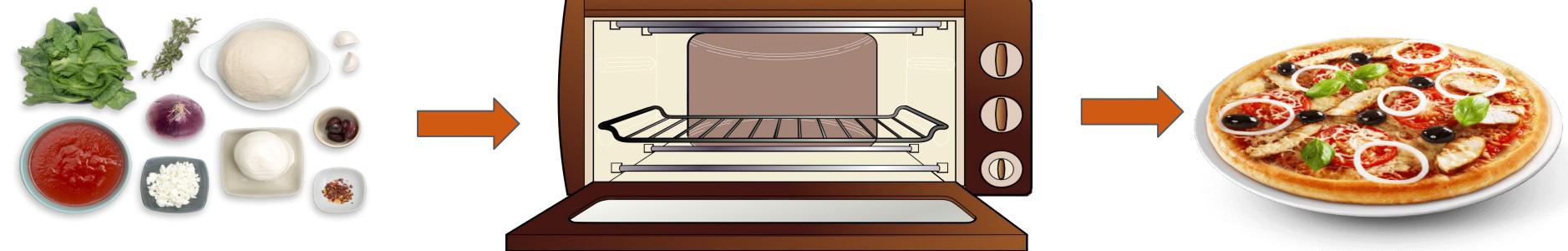
What is a Computer

Computer has revolutionized the world



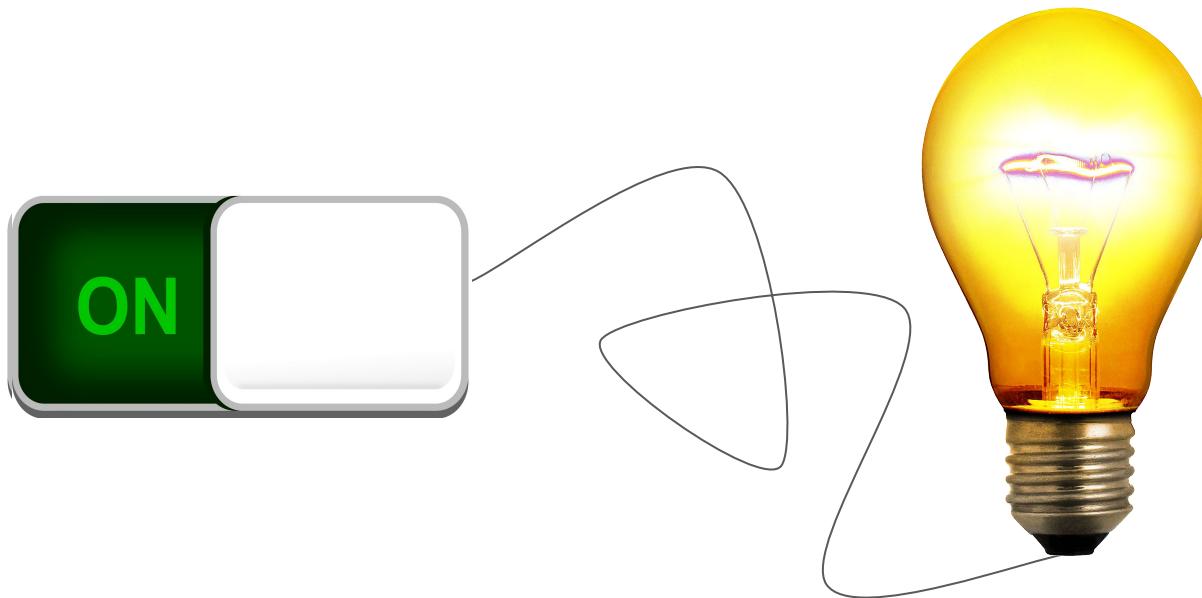
What does a machine do?

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



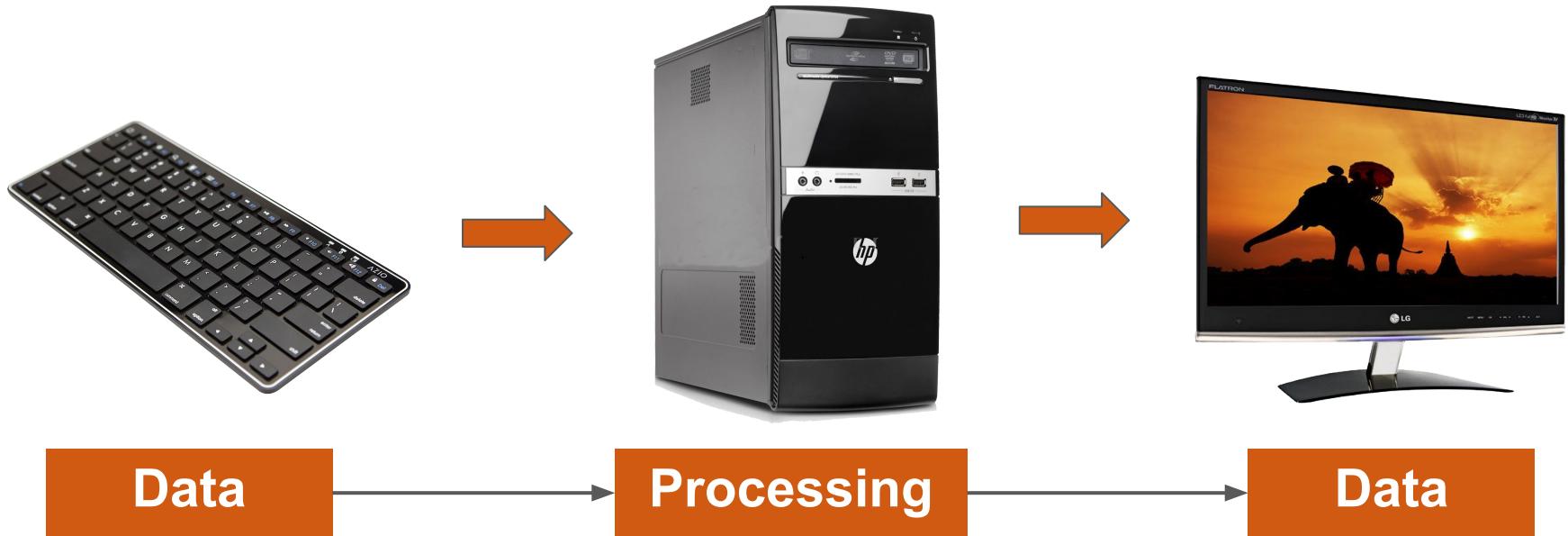
What does a machine do?

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Computer is also a machine

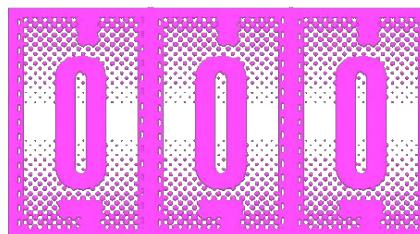
It takes **input**, **process** on it and gives **output**



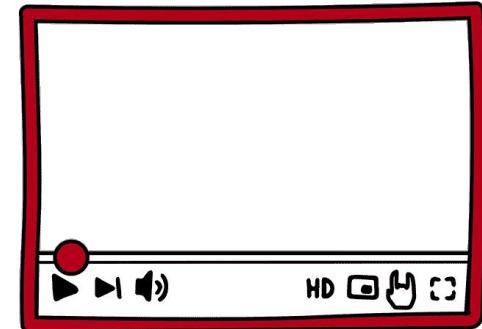
What is Data

Data can be of the following types.

WORK



DATA



{ } { }

Textual

{ } { }

Numeric

{ } { }

Multimedia

Processing on Text

Input

Unsorted Data
10
28
05
18
21
17

Output

Sorted Data
05
10
17
18
21
28



Processing



Processing on Image

Input



Processing



Output

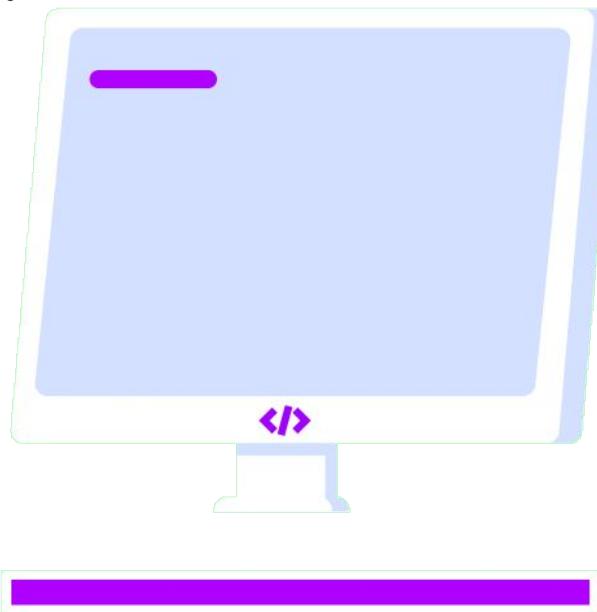


What makes the Computer Powerful?

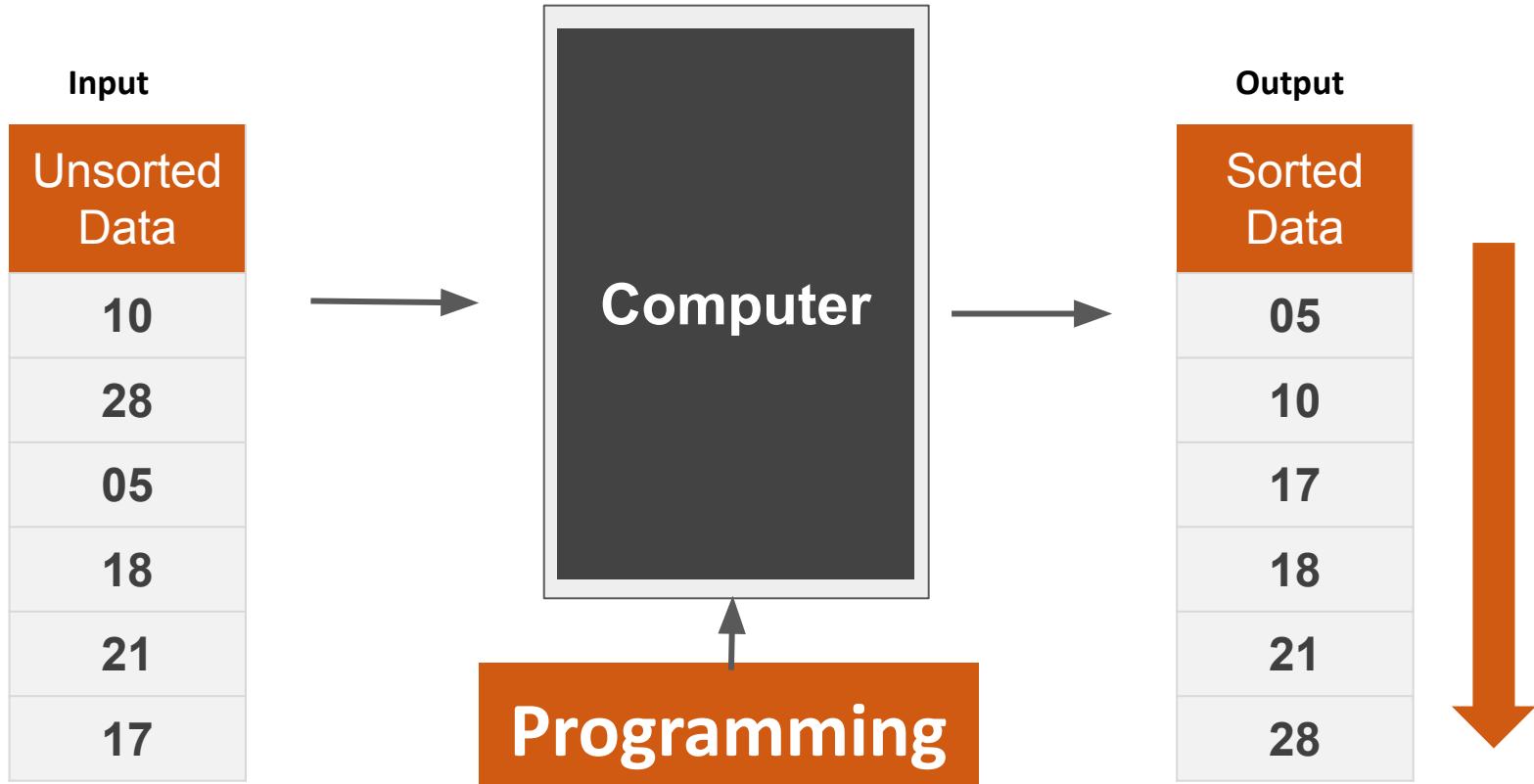


What makes the Computer Powerful?

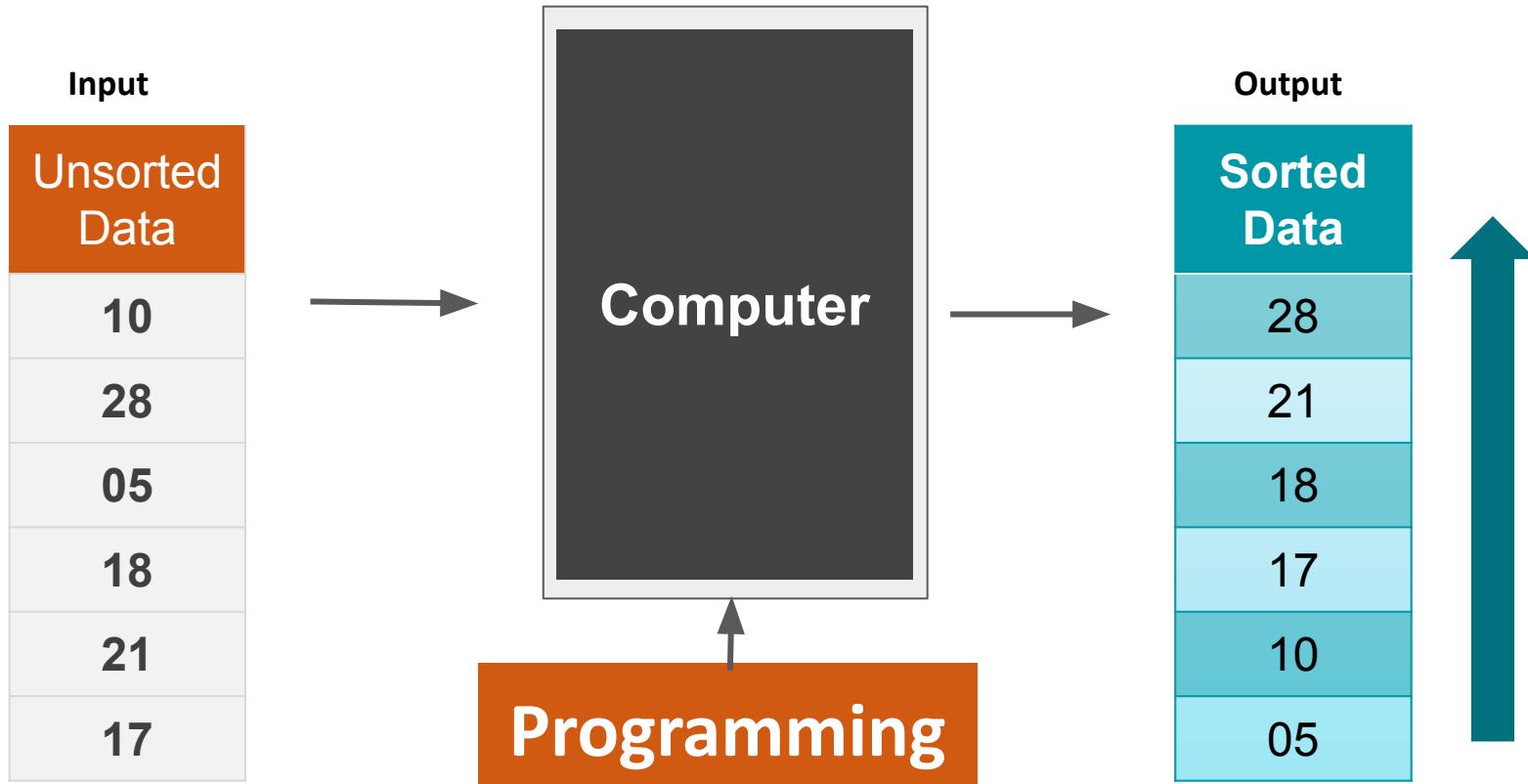
We can give **instructions**, that tells the computer how to convert an input to relevant output



Sorting Ascending Order



Sorting Descending 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



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?
4. What is **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**.



Your Teachers



Dr. Awais Hassan



Maida Shahid



Irzam Liaqat

Graduate Assistants



Iqra Mubarik

The struggle you're in today is developing the strength you need tomorrow.



Rimsha Afzal

I am doing MSc computer science from UET Lahore Also appointed as GA



Ayesha Afzal

I am Ayesha Afzal. I am graduated from Superior University Lahore. Currently I am doing MS in computer science. I am working as a graduate assistant in UET Lahore. I am a food blogger as well.

Your Seniors to help you



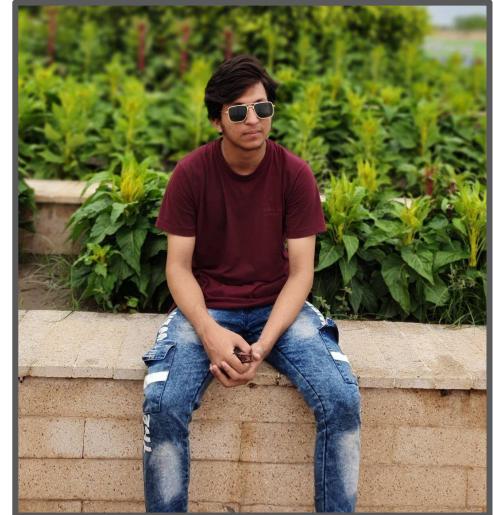
Hamza Tariq

I would love to share the skill I have ! The answers you will get depend upon the curiosity you have and to the best of my knowledge !



Abdul Sami

The temporary satisfaction of quitting is outweighed by the eternal suffering of being a nobody.



Abdul Mateen

Learning is never done without errors and defeat.

Your Seniors to help you



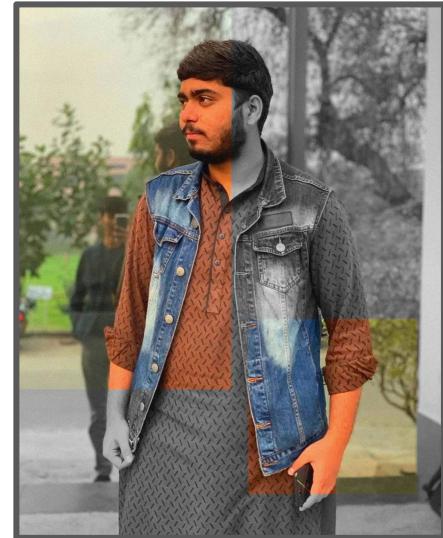
Aleena Abid

Start each day believing in your dreams. Know without a doubt that you were made for great things.



Syed Ahsan Imtiaz

Never stop learning from your own and other people's mistakes.



Muhammad Abdullah

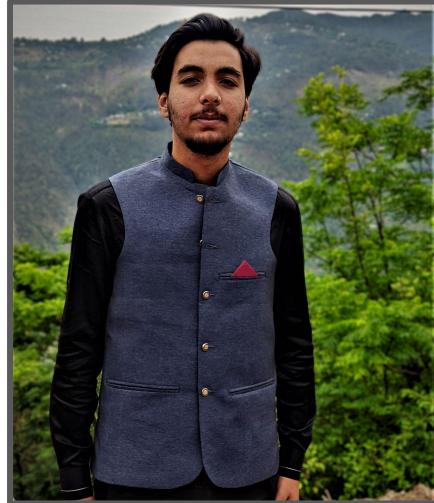
Front-End Web Developer |
Alpha Microsoft Learn Student
Ambassador | Certified
Microsoft Office Specialist

Your Seniors to help you



Ayesha Ashfaq

Teacher can only open the door, but you must enter it yourself.



Arham Mahmood

Computer science empowers students to create the world of tomorrow.



Umair Noor

Being a Programmer means you will have a life with bugs ☹️

Your Seniors to help you



Bisma Ali

CS is a complex field but it is interesting more than it's complexity.



Rameez Ali

To avoid criticism, say nothing,
do nothing, be nothing



Shahbaz Rafique

Set your goals high and always
Dream Big. Because you're
only as big as the dream you
dare to Live.

Your Seniors to help you



Hammad Asghar

Behind every successful man,
there are a lot of unsuccessful
years



Muhammad Ahmad

Do your best and leave the rest
to Allah



Syed Abdul Rehman

A person who never made a
mistake never tried anything
new.

Your Seniors to help you



Khadim Hussain

Be yourself; Everyone else is already taken.



Mukarram Ali

You don't have to be great to start. But you have to start to be great.
Difficult roads often leads to beautiful destination.



Farheen Irfan

I welcome you all to the incredible journey of playing with bits.
Programing is all about consistency, creativity, practice and logic. This degree promises a bright future for you but you have to work hard for it.

Your Seniors to help you



Arsalan Ali

I would like to thank Wikipedia, Google and whoever invented copy and paste.



Usman Bin Farid

Don't stop until you are proud



Waqas Rashid

I'm impressed by Sir Awais Hassan who gave preference to teaching instead of highly paid jobs. I think I have the same "why" reason of teaching as him.

Can't stop loving you!

Your Seniors to help you



Faraz Ali

C# Developer



Syed Hashir Husnain

Feeling excited that I will include my part in assisting a community. I always like to assist more than scoring. It gives me another feeling.



Muhammad Kabir

Let your smile change the world, But don't let the world change your smile🌟.

Your Seniors to help you



M. Hammad Hassan

Founder, Saqi Limited | AI/ML Enthusiast | Software Engineer | Community Builder | Students Right Activist | Tech Speaker | Diversity & Inclusion



Muhammad Danish

Always believe on yourself and keep struggling and "make everything as simple as possible but no simpler"



Hamza Rasheed

I don't chase dreams, I hunt goals

Your Seniors to help you



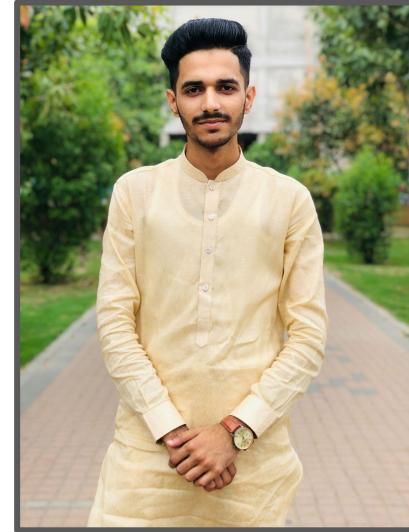
Afraaz Butt

-Multi dimensional thinker with exceptional logical and analytical skills.-ML enthusiast -Intern @Fronus Industries Inc. -Software Developer @Car Details Platform -<https://github.com/buttafraz22>



Khawaja Saad Akbar

let everything happen to you
beauty and terror just keep
going no feeling is final



Shahzaib Irfan

This is Shahzaib Irfan. A programming enthusiast. Keen to help freshers to grasp programming concepts quickly.

Your Seniors to help you



Rayan Rasheed

"Never stop learning because life never stops teaching"



Muhammad Abubakar

The purpose of our lives is to be happy



Muhammad Tahir

I came with zero programming knowledge and halfway in, I'm quite confident of what I can achieve.

Your Seniors to help you



Hammad Ejaz

"I never allow myself to become discouraged under any circumstances. The three great essentials to achieve anything worthwhile are first, hard work, second, stick-to-itiveness, third, common sense."



Mahrukh Zahra

The more you know about programming, the more you get to know that you know nothing about it. Stay focused on your goal and don't let others trick you into thinking that you know nothing.



Subhan Anjum

Do not give up. The beginning is always the hardest.

Google Classroom Code

4r43g2p