Programming Fundamental.

Activity # 1:

Q # 1:

Machine:

Machine is a mechnical structure which takes input, process on it and give output.

Q # 2:

Computer is a machine which takes ~~data~~ input in form of data, process on it and gives output in form of data.

Q # 3:

Machines have pefined behavior which cannot be

changed but in computer we can perform different tasks by programming.

Activity # 2;

Q # 1;
- Daraz
- Kamyu.

These are the E-commerce websites which I have used personally.

Q # 2;
- Avengers.
- Harry Potter.
- Thor.
- Captain America.
- Dragon Ball Super / Z.

Q # 4:

I will develop games especially adventurous, battle royal games like prince of Persia, PUBG etc.
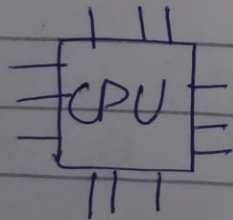
Activity # 3:

Q1:

- Operations
  Multiplication ; Addition
- Data
  2 , 4 , 8

Q2:

	1001
2	1002
4	1003
8	1004
	1005

Q3:
Input devices:

- Mouse.
- Joystick
- Microphone

Activity # 4:

Q # 1:
⇒ One instruction code is called one computational step. It is a step that CPU takes in single unit time.

Q # 2:

It is set of steps that shows how program is executed.

Q # 3:

- Take the dough and roll it into a circle.
- Heat the oven at certain (250-260°C) temp.
- Put on the pizza sauce, cheez, and toppings.
- Put the pizza on pizza stone in oven.
- Bake for 30 minutes.

Activity # 5:

Q # 1:

All data in computer system consist of binary information which is "0" or "1"

Q # 3:

The circuits in computer processors are made up of billions of transistors which is activated by electronic signals "0" or "1"

Activity # 6;

Q #1;

Compiler converts high level language code into machine language.

Q #2:

In high level language it becomes easier for programmers to write.

Q #3;

Python -

C++.

Java

C#

Activity # 7:

Q # 1:

It is set of problem-solving methods that involve expressing problems and their solution in ways that a computer could execute.

Q # 2:

- Decomposition.
- Pattern Recognition.
- Abstraction.
- Algorithm.

Q # 5:

To make PACMAN Game, I will firstly decompose its parts, i will think about maze first then PACMAN poslion and then GHOST portion.