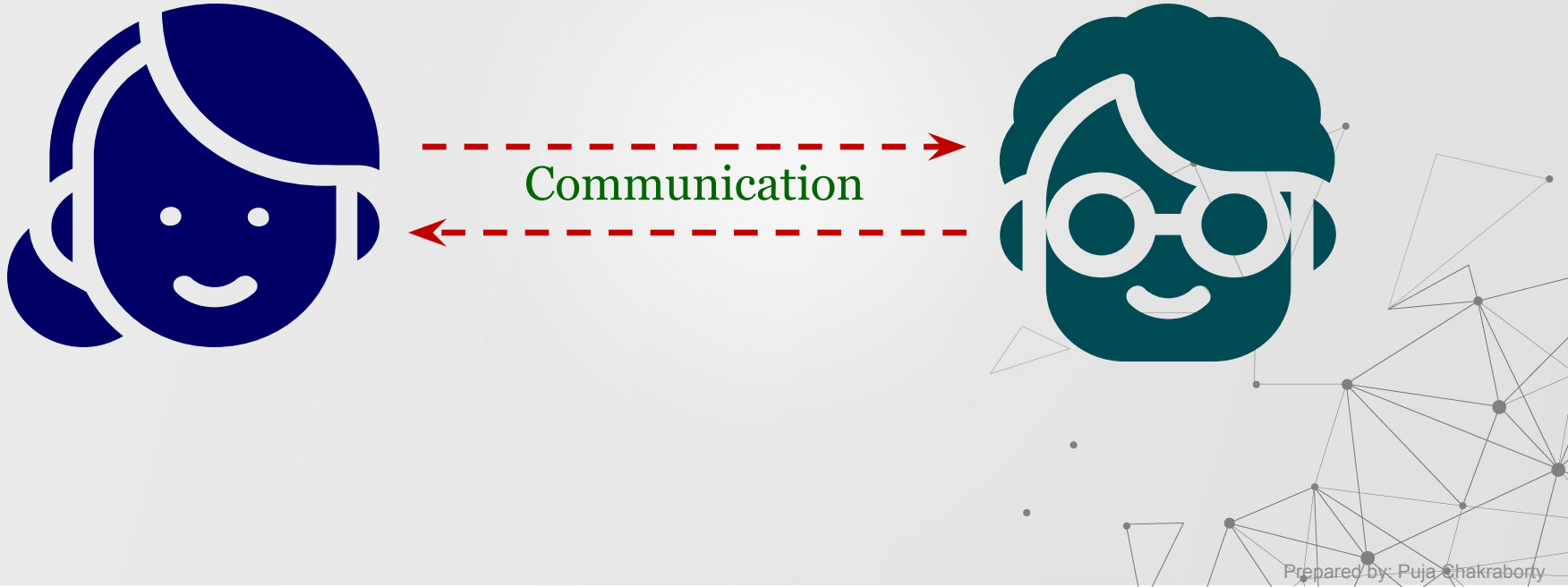




# Programming Language

# Language

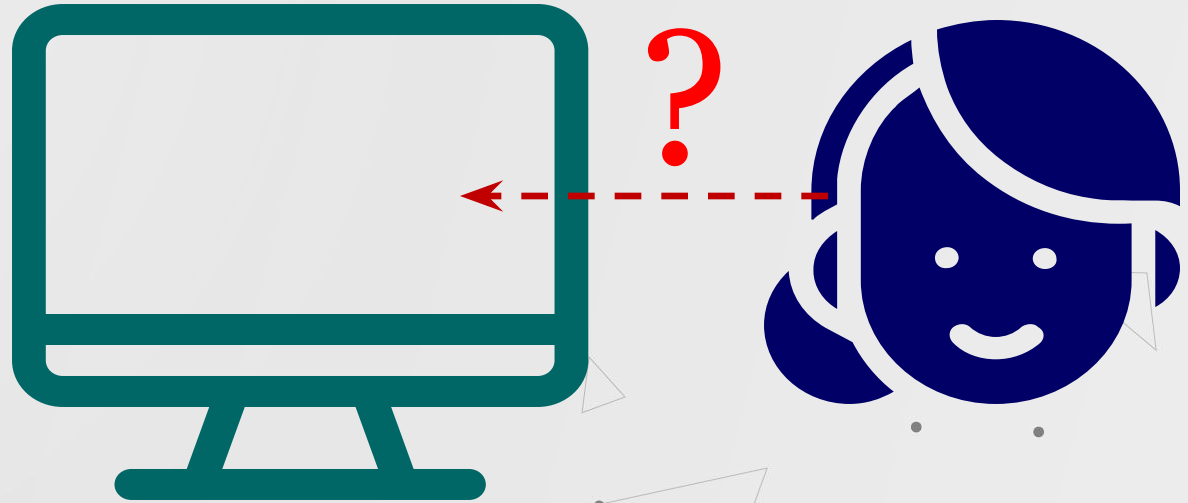
**Language:** Primary mean of communication and interaction



# How to communicate with a machine?

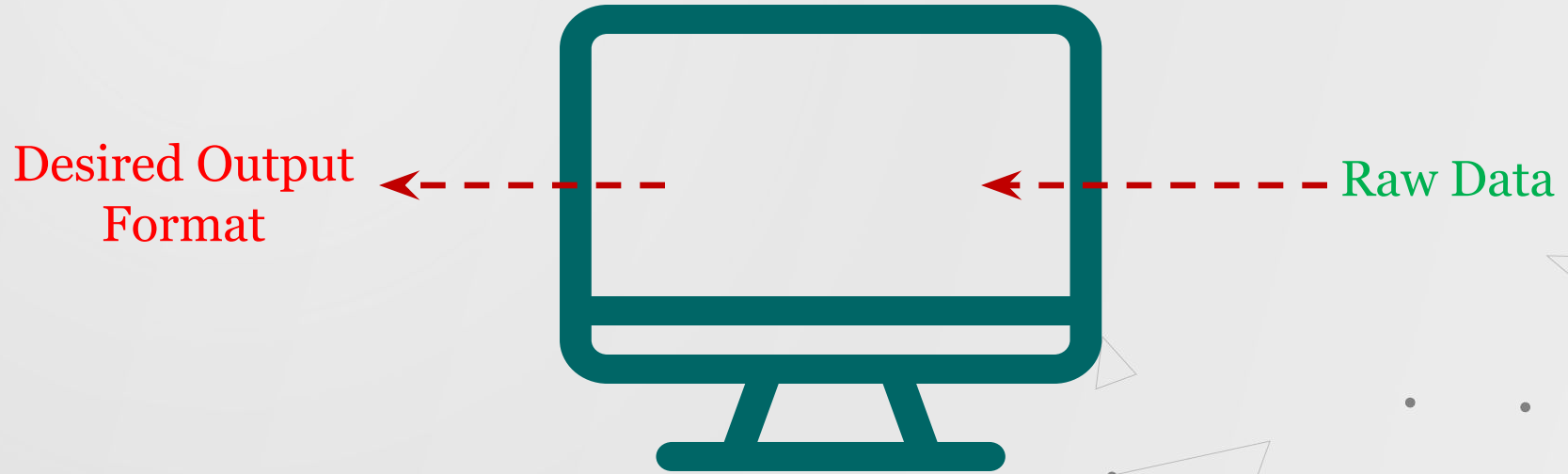
Or in other words

$$^{\circ}\text{F} = ^{\circ}\text{C} \times 1.8 + 32$$

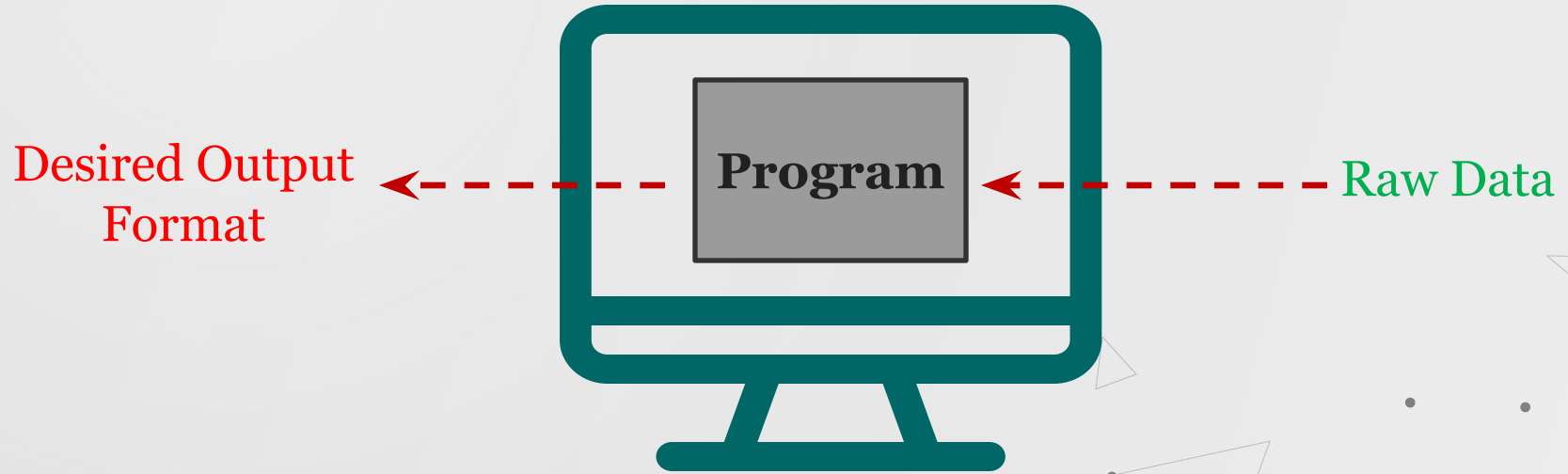


How to get your work done by a machine?

# Computer



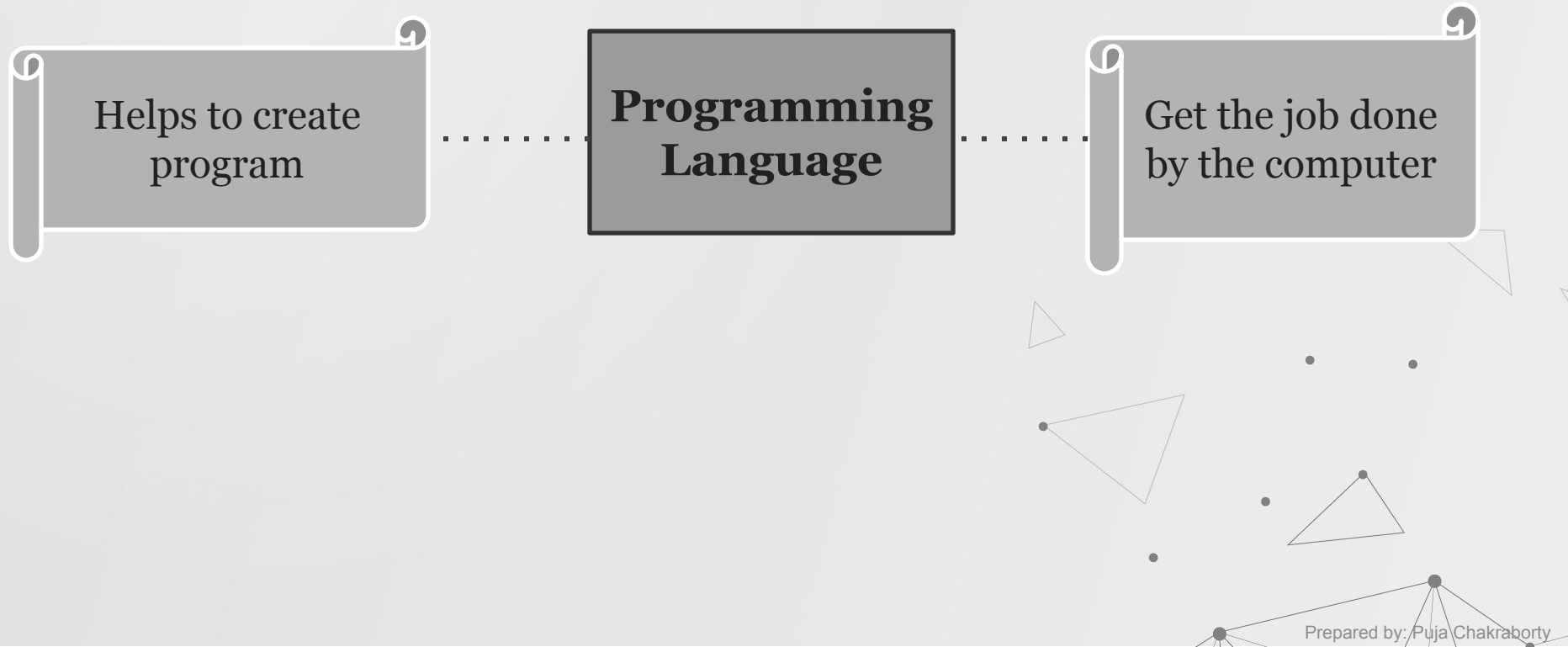
# Program



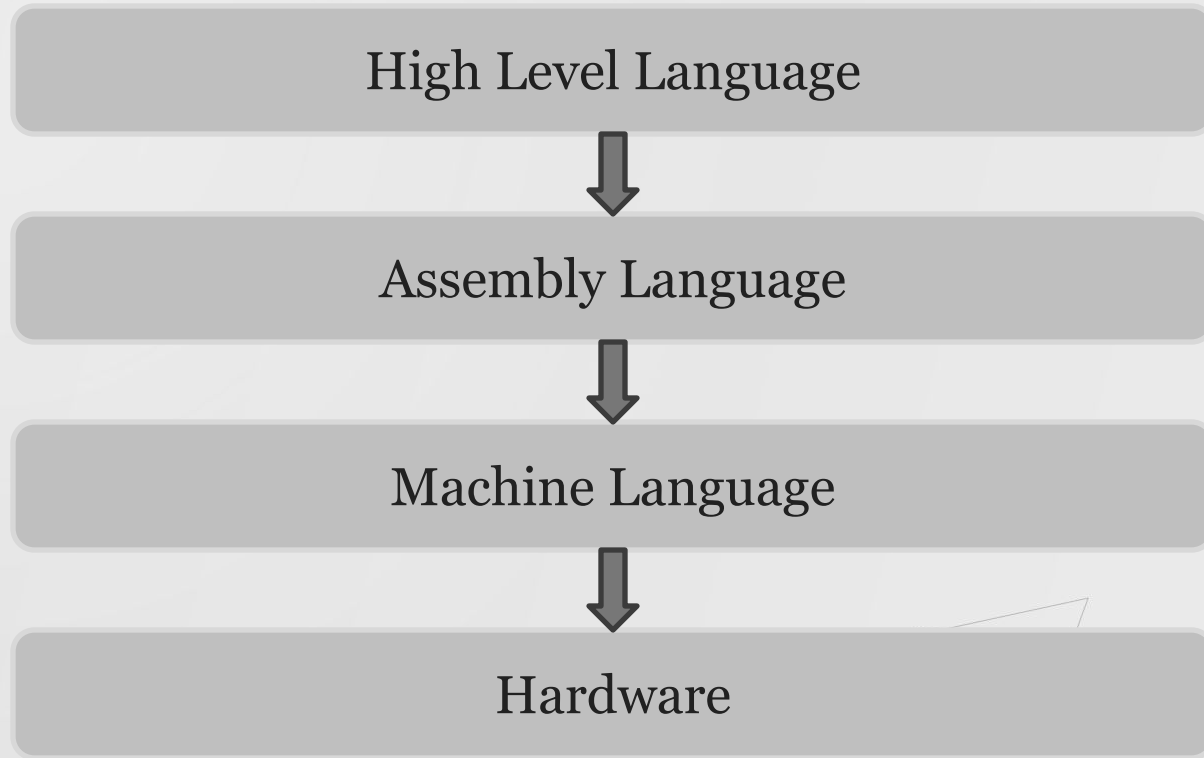
# Program



# Programming Language?



# Hierarchy of Computer Languages





# Hierarchy of Computer Languages

**High Level Language**



Assembly Language



Machine Language



Hardware

# High Level Languages

- ① Closer to human language
- ① Easy to understand
- ① Simple to maintain and debug
- ① Needs compiler or interpreter for translation

# High Level Languages

Some high level languages are:

**C**

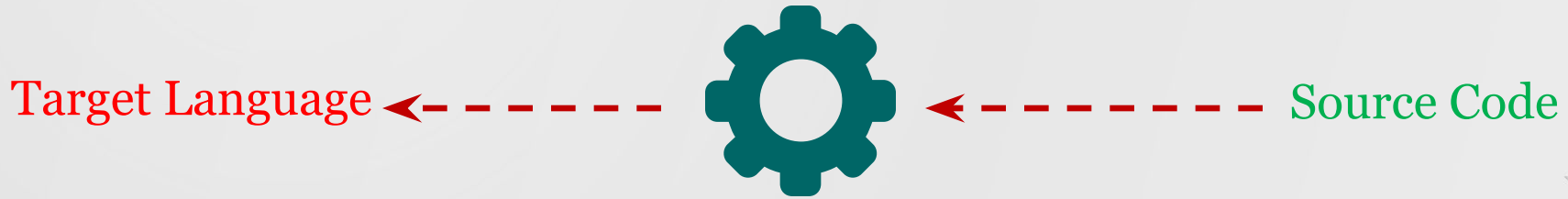
**C++**

**Java**

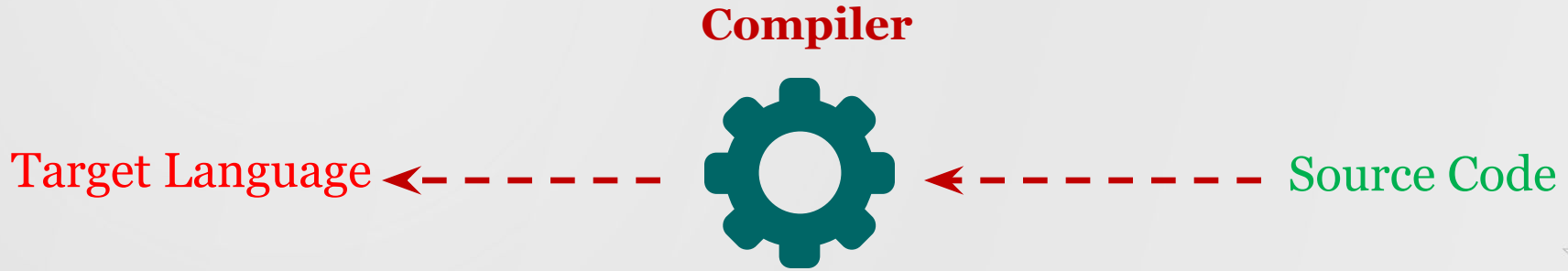
**Python**

etc.

# Programming Languages and Compilers



# Programming Languages and Compilers



# *Thank You*

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Prepared by: Puja Chakraborty

## Instructor Information:

Puja Chakraborty

Lecturer

Department of Computer Science and Engineering

Premier University

Chattogram, Bangladesh

Email: [puja.csecu@gmail.com](mailto:puja.csecu@gmail.com)

Contact: +880-1863-927559