

1. (code) Prompt: Write 5 code languages code to demonstrate their advantages

1. Python (readability):

python

Copy code

```
def greet(name):  
    return f"Hello, {name}!"  
  
print(greet("Alice"))
```

Python is known for its readability and simplicity, making it easy to understand and write code quickly.

1. Java (portability):

java


Copy code

```
public class HelloWorld {  
    public static void main(String[] args) {  
        System.out.println("Hello, World!");  
    }  
}
```

Java's "write once, run anywhere" principle allows code to run on any device that supports Java, making it highly portable.

1. JavaScript (versatility):

javascript


 Copy code

```
function multiply(a, b) {  
    return a * b;  
}  
  
console.log(multiply(5, 3));
```

JavaScript is versatile, used for both front-end and back-end development, and has a wide range of libraries and frameworks.

1. C++ (performance):

cpp


 Copy code

```
#include <iostream>  
int main() {  
    std::cout << "Hello, World!" << std::endl;  
    return 0;  
}
```

C++ is known for its high performance, making it suitable for systems programming and applications requiring speed.

1. Swift (safety):

swift

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```
let name: String? = "Alice"
if let unwrappedName = name {
    print("Hello, \(unwrappedName)!")
} else {
    print("Hello, guest!")
}
```

Swift provides safety features like optionals, reducing the risk of runtime errors and making code more robust.

2. (Unstructured Output Styles) write an email to a professor begging for enrolling one of his courses which is AI introduction.



ChatGPT

Subject: Request for Enrollment in AI Introduction Course

Dear Professor [Professor's Last Name],

I hope this email finds you well. My name is [Your Name], and I am currently a [Your Year/Program] majoring in [Your Major] at [Your University]. I am writing to express my strong interest in enrolling in your AI Introduction course for the upcoming semester.

I have a keen interest in artificial intelligence and its applications, particularly in [Any Specific Interest or Project]. I believe that your course would provide me with a solid foundation in AI concepts and techniques, which would greatly benefit my academic and future career goals.

I understand that your course may be in high demand, but I am truly passionate about this subject and eager to learn from your expertise. I am committed to dedicating myself fully to the course and contributing positively to class discussions and projects.

I would be grateful for the opportunity to enroll in your AI Introduction course and would appreciate any guidance you can provide regarding the enrollment process. Thank you for considering my request. I look forward to your positive response.

Sincerely,

[Your Name]

[Your Contact Information]

ChatGPT Can-Do:

ChatGPT keep improving and become stronger, In the future it should not only be able to do not only simple but also complex tasks and write powerful code without many errors. Basically, it can answer questions, provide explanations, generate text, assist with writing... I think ChatGPT can have some useful and objective response as long as our question follow those ethic concept, even our complicated problems can be resolved in the future since ChatGPT keeps being trained and keeps improving. With the rise of information feed into the model, ChatGPT will be able to not only answer question and handle task precisely without bias but also provide useful advises or comments at the same time in my opinion.

ChatGPT Cannot-Do:

However, when it comes to prediction, or having default background during responding, ChatGPT should not be able to do the role, since it is trained to be objective, unbiased and conservative, which means it should provide information only based on the truth. And surely, it can't answer those requests for illegal, harmful, or inappropriate content, or provide personal information of even celebrities (it would say that we should respect people's privacy), access to private data, and let alone doing physical actions. In my opinion, ChatGPT only gives converge thought, which means it don't actually have "creativity". If ChatGPT can go diverge, which means it could generate thoughts from nothing, then it is consciousness, I think we human haven't reach that stage.