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Operation Research

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## **What is Julia and why is it gaining popularity?**

### **Project proposal**

#### **1. Introduction of Julia:**

- a. What is Julia?

#### **2. Inspiration for Julia.**

- a. Breakdown Python:
  - i. Brief history of language.
  - ii. Programming philosophy.
  - iii. Strengths and limitations
- b. Breakdown C programming:
  - i. Brief history of language.
  - ii. Programming philosophy.
  - iii. Strengths and limitations

#### **3. Synthesis of C and Python techniques:**

- a. Overcome system limitations
  - i. Execution speed
  - ii. Code development time

#### **4. Conclusion**

- a. Future of Julia; Does platform have staying power?

#### **5. References**

