Name: Mukund Kuthe

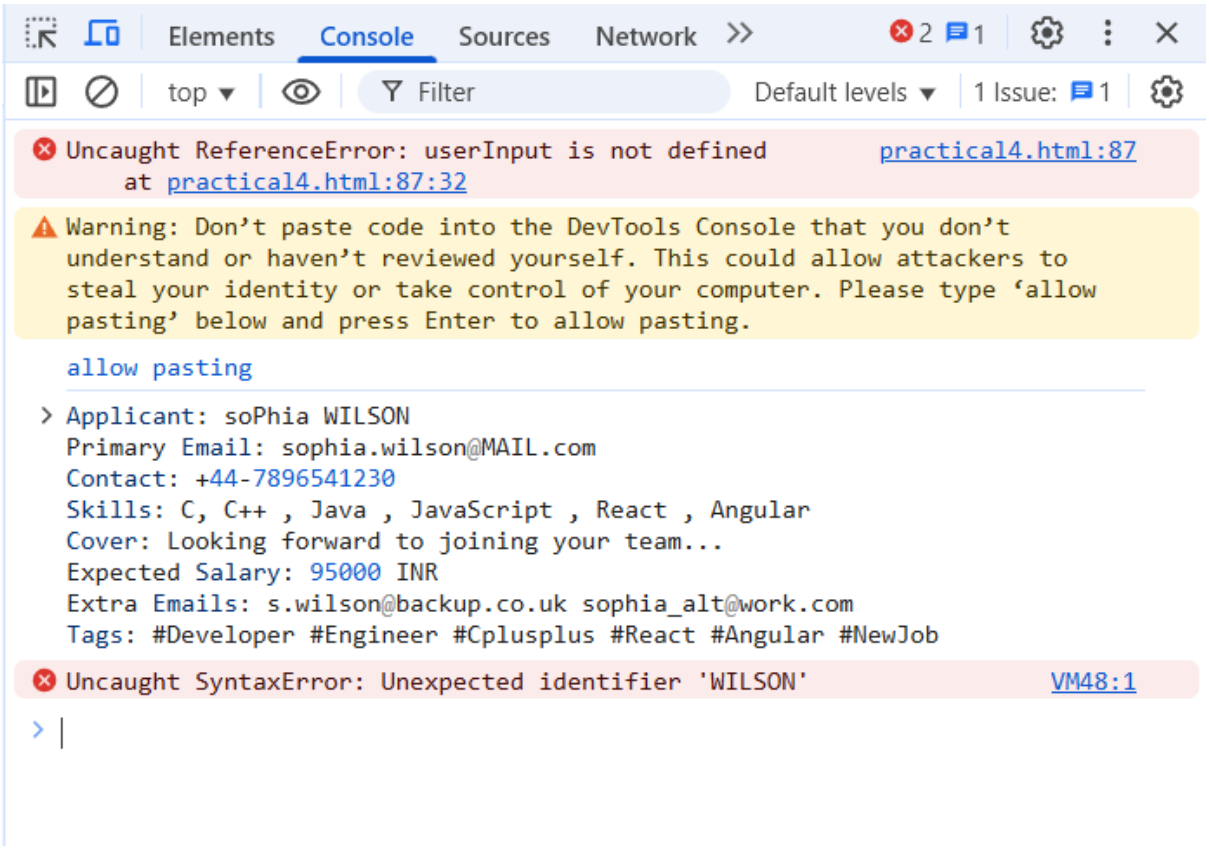
3rd Year Section B (B1)

Practical 6 Final Task (JavaScript)

```
<script>
function formatName(raw) {
  if (!raw) return "";
  return raw
    .trim()
    .split(/\s+/)
    .map(word => word.charAt(0).toUpperCase() + word.slice(1).toLowerCase())
    .join(" ");
}

function extractEmails(text) {
  let emailRegex = /\b[A-Z0-9._%+-]+@[A-Z0-9.-]+\.[A-Z]{2,}\b/gi;
  let emails = text.match(emailRegex) || [];
  emails = emails.map(e => e.toLowerCase());
  return {
    primaryEmail: emails.length > 0 ? emails[0] : null,
    altEmails: emails.slice(1)
  };
}

function validatePhone(text) {
  let phoneRegex = /\+\d{1,3}-\d{10}/g;
  let phone = text.match(phoneRegex);
  if (!phone) return "Invalid phone number";
  phone = phone[0];
  let numberPart = phone.split("-")[1];
  if (/^[6-9]\d{9}$/.test(numberPart)) {
    return phone;
  } else {
    return "Invalid phone number";
  }
}

```

```
function extractSkills(text) {
  let skillLine = text.match(/Skills:\s*([^\n]+)/i);
  if (!skillLine) return [];
  return skillLine[1]
    .split(/[,;]/)
    .map(s => s.trim())
    .filter(s => s.length > 0);
}

function extractHashtags(text) {
  let tagRegex = /#[A-Za-z0-9_]+/g;
  return text.match(tagRegex) || [];
}

function extractSalary(text) {
  let salaryRegex = /(?:\$|USD)?\s*([\d,]+)(?:\s*\w+)?/i;
  let match = text.match(salaryRegex);
  if (!match) return null;
  return parseInt(match[1].replace(/,/g, ""), 10);
}

function countWords(text) {
  let words = text.trim().split(/\s+/);
  return words.filter(w => w.length > 0).length;
}

function countVowels(text) {
  let match = text.match(/[aeiou]/gi);
  return match ? match.length : 0;
}

```

```
function analyzeApplication(application) {
  let nameMatch = application.match(/Applicant:\s*([^\n]+)/i);
  let applicant = nameMatch ? formatName(nameMatch[1]) : "";
  let { primaryEmail, altEmails } = extractEmails(application);
  let phone = validatePhone(application);
  let skills = extractSkills(application);
  let hashtags = extractHashtags(application);
  let salary = extractSalary(application);
  let wordCount = countWords(application);
  let vowelCount = countVowels(application);
  return {
    applicant,
    primaryEmail,
    altEmails,
    phone,
    skills,
    hashtags,
    salary,
    wordCount,
    vowelCount
  };
}
console.log(analyzeApplication(userInput));
</script>
```


Elements
Console
Sources
Network
2
1
top
Filter
Default levels
1 Issue:
1
Uncaught ReferenceError: userInput is not defined
practical4.html:87
at practical4.html:87:32
Warning: Don't paste code into the DevTools Console that you don't understand or haven't reviewed yourself. This could allow attackers to steal your identity or take control of your computer. Please type 'allow pasting' below and press Enter to allow pasting.
allow pasting
Applicant: soPhia WILSON
Primary Email: sophia.wilson@MAIL.com
Contact: +44-7896541230
Skills: C, C++ , Java , JavaScript , React , Angular
Cover: Looking forward to joining your team...
Expected Salary: 95000 INR
Extra Emails: s.wilson@backup.co.uk sophia_alt@work.com
Tags: #Developer #Engineer #Cplusplus #React #Angular #NewJob
Uncaught SyntaxError: Unexpected identifier 'WILSON'
VM48:1