**A REPORT ON COMPUTER SCIENCE**

Submitted by: Mr. Nisham Gautam  
Symbol No: 2080447  
+2 Kathmandu Model College  
Balkumari, Lalitpur

Submitted to: Mr. Mahesh Pujara  
+2 Kathmandu Model College  
Balkumari, Lalitpur

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-Nisham Gautam

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# Financial Accounting System

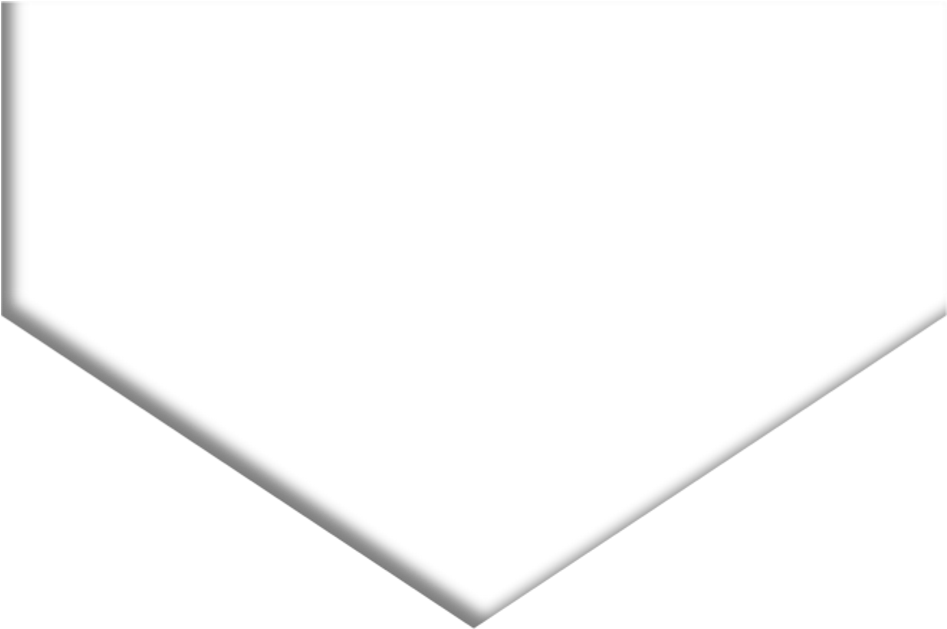
A financial accounting system in the context of computers refers to software applications or computerized tools designed to streamline and automate the processes involved in financial accounting. These systems leverage technology to record, process, summarize, and report financial transactions efficiently. Here's an explanation of its functions within the computerized environment:

* **Automated Recording**: Automates the process of recording financial transactions via user-friendly interfaces or integration with other business software such as point-of-sale or ERP systems.
* **Classification & Categorization**: Classifies transactions into accounts with features such as automatic account mapping and categorization rules.
* **Real-Time Data Processing**: Updates accounts, ledgers, and reports instantaneously, providing real-time financial status.
* **Reporting & Analysis**: Generates financial reports like income statements, balance sheets, and trial balances.
* **Security & Access Control**: Protects sensitive data from unauthorized access.
* **Compliance**: Assists in meeting regulatory requirements like GAAP, IFRS, and tax laws.

In summary, these systems streamline accounting, enhance accuracy, improve security, and ensure compliance.

# Identity Card in MS Word

# 



**KATH**

**MANDU MODEL COLLEGE**

**Balkumari,Lalitpur**

**Mob:**

**015**

**-**

**693**

**-**

**963**

**E-**

**mail**

**:**

**kmc**

**balkumari**

**@gmail.com**



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**NISHAM GAUTAM**

**Level**

**:**

**+2**

**(**

**NEB)**

**Faculty**

**:**

**Management "CS2"**

**DOB**

**: 2063/04/09**

**C**

**ontact**

**:**

**9365741563**



# Write a c program to enter marks of a student in 6 subjects and check whether he/she has passed in all subjects and also calculate his/her secured division.

**#**include <stdio.h>

int main() {

int marks[6];

int totalMarks = 0;

float percentage;

int passCount = 0;

printf("Enter marks for 6 subjects:\n");

for (int i = 0; i < 6; i++) {

printf("Enter marks for subject %d: ", i + 1);

scanf("%d", &marks[i]);

totalMarks += marks[i];

if (marks[i] >= 40) {

passCount++;

}

}

if (passCount == 6) {

printf("Congratulations! You have passed in all subjects.\n");

percentage = (float)totalMarks / 6;

if (percentage >= 80) {

printf("Division: Distinction\n");

} else if (percentage >= 60) {

printf("Division: First Division\n");

} else if (percentage >= 50) {

printf("Division: Second Division\n");

} else if (percentage >= 40) {

printf("Division: Third Division\n");

}

}

else{

printf("You have not passed in all subjects.\n");

}

return 0;

}

# A SAMPLE RESUME OF A PROGRAMMER USING HTML

<!DOCTYPE html>

<html>

<head>

<title>John Doe - Resume</title>

<style>

body {

font-family: Arial, sans-serif;

margin: 40px;

line-height: 1.6;

}

h1 {

margin-bottom: 5px;

}

.section {

margin-top: 25px;

}

ul {

list-style-type: disc;

padding-left: 20px;

}

</style>

</head>

<body>

<h1>John Doe</h1>

<p><strong>Email:</strong> john.doe@gmail.com</p>

<p><strong>Phone:</strong> (123) 456-7890</p>

<p><strong>Location:</strong> City, Country</p>

<div class="section">

<h2>Summary</h2>

<p>Dynamic and detail-oriented programmer with a passion for problem-solving and creating efficient, scalable solutions. Proficient in various programming languages and technologies with a focus on web development.</p>

</div>

<div class="section">

# RESULTS

**John Doe**

Email: [john.doe@gmail.com](mailto:john.doe@gmail.com)

Phone: (123) 456-7890

Location: City, Country

**Summary**

Dynamic and detail-oriented programmer with a passion for problem-solving and creating efficient, scalable solutions. Proficient in various programming languages and technologies with a focus on web development.

**Skills**

* HTML5
* CSS3
* JavaScript
* Python
* React.js
* Node.js
* MySQL
* Git

**Experience**

* **Frontend Developer - ABC Company**
* Developed responsive web applications using HTML, CSS, and JavaScript. Collaborated with designers and backend developers to implement user interfaces.

**Education**

* Bachelor of Science in Computer Science
* University Name, City, Country
* Graduation Year: 20XX

**Projects**

* E-commerce Website
* Designed and developed an e-commerce website using React.js for frontend and Node.js for backend.

**Personal Blog**

* Created a personal blog using HTML, CSS, and JavaScript to share programming tips and experiences.

# Report on concept of Cyber Crime

* **Introduction:**

Cybercrime refers to criminal activities carried out using the internet or computer technology. It includes a wide range of illegal actions that target individuals, organizations, or governments.

* **Types of Cyber Crime:**

There are basically 3 types of Cyber Crime. They are Hacking and Data Breaches, Phishing and Identity Theft, Malware and Ransom ware Attacks .They are shortly explained as follows:-

* **Hacking and Data Breaches**:

Cybercriminals use unauthorized access to systems to steal sensitive information. Hackers exploit vulnerabilities to gain access to networks or systems. Sensitive information is stolen for illegal purposes or to cause harm.

* **Phishing & Identity Theft:**

[Phishing](https://www.knowbe4.com/phishing?hsLang=en&__hstc=59035826.4dc9ea12e714a9af53c3108033b163ba.1711370608117.1711370608117.1711370608117.1&__hssc=59035826.1.1711370608117&__hsfp=2317542009) is a cybercrime in which a target or targets are contacted by email, telephone or text message by someone posing as a legitimate institution to lure individuals into providing sensitive data such as personally identifiable information, banking and credit card details, and passwords.Personal Data Theft Stolen information is exploited for various financial or criminal activities or for causing harm. There are generally three types of Phishing i.e. Email phishing, Spear Phishing & Clone Phishing.

* **Malware & Ransom ware attacks:**

Malware are the programs designed to damage or gain unauthorized access to computer systems whereas Ransom ware attacks Software and locks computer systems and demands payment for their release.

* **Cyber stalking And Harassment:**

Online Harassment are the repeated unwanted contact or behavior online, causing fear or distress whereas Cyber stalking means the obsessive and unwanted surveillance, often leading to physical or emotional harm.

* **Cyber Fraud and Scams:**

Deceptive Schemes means the fraudulent tactics done to obtain money or sensitive information by misleading victims. Identity Fraud means unauthorized use of a person's identity for financial gain or criminal activities.

* **Prevention and Protection Against Cybercrime:**

There are various methods to be safe and secure against the cybercrime by applying various rules and regulations in our work. Some of them are explained below:

* **Awareness:**

Awareness plays a crucial role in preventing cybercrime by empowering individuals and organizations to recognize potential threats, understand best practices for cyber security, and take appropriate actions to protect themselves.

* **Strong Passwords:**

Strong passwords can prevent cybercrime by significantly reducing the likelihood of unauthorized access to accounts or sensitive information, thus thwarting hackers' attempts to exploit weak authentication methods.

* **Security software:**

Security software can prevent cybercrime by actively monitoring for suspicious activities, detecting malware, and implementing protective measures such as firewalls and intrusion detection systems to safeguard against cyber threats.

* **Regular Updates:**

Regular updates can prevent cybercrime by patching known vulnerabilities in software and operating systems, making it harder for cybercriminals to exploit weaknesses and gain unauthorized access to systems or data.

# Conclusion

This report has explored several foundational and practical areas of computer science, each contributing to a deeper understanding of the subject's real-world applications. Topics such as the financial accounting system demonstrated how computerized tools streamline complex financial processes, while tasks like creating identity cards in MS Word showcased the practical use of office software in administrative settings. The inclusion of a C programming task helped reinforce logic-building and problem-solving skills essential for software development, and the sample resume in HTML introduced basic web design concepts relevant in today’s digital era.

Furthermore, the report’s section on cybercrime shed light on the increasing threats posed by digital crimes and emphasized the importance of cybersecurity awareness, protective measures, and ethical internet practices. Altogether, the components of this report reflect the multifaceted nature of computer science and its significance in both academic and professional fields. The knowledge gained through this project serves as a strong foundation for further exploration in the field of technology.

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