Question 1

University Grading System

You are developing a grading system for a university. The system assigns letter grades to students based on their numerical scores. The university has a specific grading scheme as follows:

* 90-100: A
* 80-89: B
* 70-79: C
* 60-69: D
* Below 60: F

Your task is to write a program that reads a student's numerical score and prints their letter grade.

**Question:**

Write a C program that reads an integer representing the student's score (0-100) from the user and prints the corresponding letter grade using a switch-case structure.

**Code:**

#include <stdio.h>

int main() {

int n;

scanf("%d",&n);

switch(n/10){

case 10:

case 9:

printf("A");

break;

case 8:

printf("B");

break;

case 7:

printf("C");

break;

case 6:

printf("D");

break;

default:

printf("F");

break;

}

    return 0;

}

## Question 2

Banking System Menu

You are designing a basic menu-driven banking system for managing customer transactions. The menu allows the user to perform the following actions:

1. Check Balance
2. Deposit Money
3. Withdraw Money
4. Exit

Your task is to implement this menu and handle user selections using a switch-case structure.

#### Question:

Write a C program that displays the menu to the user, takes their choice, and performs the corresponding action. Assume an initial balance of $1000.

**Code:**

#include <stdio.h>

int main() {

int balance = 1000;

int choice;

int withdraw, deposit;

while (1) {

printf("1. Check Balance\n");

printf("2. Deposit Money\n");

printf("3. Withdraw Money\n");

printf("4. Exit\n");

printf("Enter your choice: ");

scanf("%d", &choice);

switch (choice) {

case 1:

printf("current balance is: %d\n", balanc);

break;

case 2:

printf("Enter amount to deposit:");

scanf("%d", &deposit);

if (deposit > 0) {

balance+= deposit;

printf("%d sucessfully deposited.\n", deposit);

} else {

printf("Invalid amount.\n");

}

break;

case 3:

printf("withdraw:");

scanf("%d", &withdraw);

if (withdraw > 0 && withdraw <= balance) {

balance -= withdraw;

printf("%d succesfull withdraw\n", withdraw);

}

else if (withdraw > balance) {

printf("Insufficient money.\n");

}

else {

printf("Invalid amount.\n");

}

break;

case 4:

printf("Exit\n");

return 0;

default:

printf("Please try again.\n");

break;

}

}

    return 0;

}