

Ganpat University

➤ **Branch-Cloud Based Applications**

➤ **Semester-1**

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➤ **Enrollment Number-CBA01**

➤ **Batch Number-11**

➤ **PID-403**

```
#include <stdio.h>
```

```
#include <stdlib.h>
```

```
#include <string.h>
```

```
int page()
```

```
{
```

```
printf("=====  
=====\\n");
```

```
printf("                GANPAT UNIVERTSITY\\n");
```

```
printf("                BRANCH - COMPUTER SCIENCE AND  
ENGINEERING (CBA)\\n");
```

```
printf("                BATCH - 11\\n");
```

```
printf("                ENROLLMENT NO. - CBA01\\n");
```

```
printf("                PROJECT TITLE - PID403\\n");
```

```
printf("                ESFP-I PROJECT\\n");
```

```
printf("=====  
=====");
```

```
}
```

```
char rutvij[6], qwertyuiop[10];
```

```
//functions declaration
```

```
int login();
```

```
int print_menu();
```

```
int main()
```

```
{
```

```
    page();
```

```
    login();
```

```
    print_menu();
```

```
    return 0;
```

```
}
```

```
//login function
```

```
int login()
```

```
{
```

```
    printf("\n\nEnter Username: ");
```

```
    scanf("%s", rutvij);
```

```
    printf("Enter Password: ");
```

```
    scanf("%s", qwertyuiop);
```

```
    if(strcmp(rutvij, "rutvij") == 0 && strcmp(qwertyuiop, "qwertyuiop") == 0)
```

```
    {
```

```
        printf("\nLogin Successful!\n\n");
```

```
    }
```

```

else
{
    printf("\nWrong username or password!\n\n");
    login();
}
}

```

```

char stuName[20][30];
int presentAttendance[20]={0};
int absentAttendance[20]={0};
int indexNumber=0;
void checkAttendance()
{
    int i;
    printf("\n      Total Present | Total Absent\n");
    for ( i = 0; i < indexNumber; i++)
    {
        printf("%s",stuName[i]);
        printf("      %d
%d\n",presentAttendance[i],absentAttendance[i]);
    }
}
void addStudent()
{

```

```

int i,num,add;
if (indexNumber==0)
{
    printf("Enter how many employee you want to add: ");
    fflush(stdin);
    scanf("%d",&num);
    for ( i = 0; i < num; i++)
    {
        printf("\nEnter %d employee name to add in attendance
ragister: ",i+1);
        fflush(stdin);
        gets(stuName[i]);
        indexNumber++;
    }
}
else
{
    printf("Enter how many employees you want to add: ");
    fflush(stdin);
    scanf("%d",&num);
    add=indexNumber+num;
    for ( i = indexNumber; i < add; i++)
    {

```

```
        printf("\nEnter %d employee name to add in attendance  
register: ",i+1);
```

```
        fflush(stdin);
```

```
        gets(stuName[i]);
```

```
        indexNumber++;
```

```
    }
```

```
}
```

```
}
```

```
void removeStudent()
```

```
{
```

```
    char name[30];
```

```
    printf("Enter employee name to remove: ");
```

```
    fflush(stdin);
```

```
    gets(name);
```

```
    for (int i = 0; i < indexNumber; i++)
```

```
    {
```

```
        if (strcmp(name,stuName[i])==0)
```

```
        {
```

```
            for (int j = i; j < indexNumber; j++)
```

```
            {
```

```
                strcpy(stuName[j],stuName[j+1]);
```

```
                presentAttendance[i]=presentAttendance[i+1];
```

```
                absentAttendance[i]=absentAttendance[i+1];
```

```
            }
```

```

        indexNumber--;
        printf("\n%s employee is removed\n",name);
        break;
    }
    else if(i==indexNumber-1)
    {
        printf("This name is not exists\n");
    }
}
}

void takeAttendance()
{
    int i;
    char ch;
    printf("\nEnter Y for present and N for absent\n");
    for ( i = 0; i < indexNumber; i++)
    {
        repeate:
        printf("%d. %s is present: ",i+1,stuName[i]);
        fflush(stdin);
        scanf("%c",&ch);
        if (ch=='Y' || ch=='y')
        {
            presentAttendance[i]+=1;

```

```

    }
    else if (ch=='N' || ch=='n')
    {
        absentAttendance[i]+=1;
    }
    else
    {
        printf("Invalid character Try again\n");
        goto repeat;
    }
}

int print_menu()
{
    int choose;
    do
    {
        printf("\n*****Main Menu*****\n");
        printf("Enter 1 for add employee\n");
        printf("Enter 2 for take attendance\n");
        printf("Enter 3 for check attendance\n");
        printf("Enter 4 for remove employee\n");
        printf("Enter 5 for exit\n");
        printf("Please choose any menu: ");
    }

```



```
fflush(stdin);
scanf("%d",&choose);
switch (choose)
{
case 1:
    addStudent();
    break;
case 2:
    takeAttendance();
    break;
case 3:
    checkAttendance();
    break;
case 4:
    removeStudent();
    break;
case 5:
    exit(0);
    break;
}
} while (choose!=5);

}
```