Institute of Computer Technology

B.Tech. Computer Science and Engineering

Sub: ESFP -1(2CSE102)

Project – 23

Objective:A (Hostel Accommodation MS) Hostel Accommodation System take folloing input

1)Room_id

2)Student Name

3)Contact Number

4)Pass Status

5)Service charge

6)Age

7)Medical history

8)Pass expiry date

9)Gender

10)College name

11)Room Type(Simple/Deluxe)

12)Student Status(New/Existing)

13)Student type(Engineering/Medical)

14)Referral Status

Based on above inputs it will display the total bill along with following condition

1)500/-discount coupon is given to all student who joins for the first time.

2)10%discount is applicable on the medical student who enroll

3)10%discount is given to females.

4)5%discount is offered in case referral program.

5)Service charge is not applicable in case of pass.

6)400/-is charged extra in case of deluxe room.

OUTPUT:

Room id	Contact Number	Student Name	Pass status	Medical history	College Name
Age	Service charge	Gender	Discount Offered	Total bill to payed	

Code:

```c
    | Pass_Status    | Medical_history    | College Name    |");
      printf("\n| %d        | %d            | %s          | inactive    | %s          | %s          |",rid,cnum,name,mhis,cname);
      printf("\n| Age        | Service charge    | Gender        |
#include<stdio.h>

#include<string.h>
void main(){
int rid,cnum,schar,pstatus,age,pdate,rtype,sstatus,stype,rstatus,gen;
int pay;
char name[20],mhis[10],cname[20];

printf("\n Enter  Room id: ");
scanf("%d",&rid);



printf("\n Enter Student Name: ");
scanf("%s",name);


printf("\n Enter Contact Number: ");
scanf("%d",&cnum);
```

```c
printf("\n Pass status: ");
printf("\n Press 1 for inactive\n Press 0 for active\n");
scanf("%d",&pstatus);




printf("\n Age: ");
scanf("%d",&age);


printf("\nenter Medical history: ");
scanf("%s",mhis);


printf("\n Pass expiry date: ");
scanf("%d",&pdate);


printf("\n Enter your gender: ");
printf("\n press 1 for female\n press 0 for male\n  ");
scanf("%d",&gen);



printf("\n Colleg name: ");
scanf("%s",cname);
```

```c
printf("\nRoom type: ");
printf("\n Press 1 for Deluxe\n press 0 for Simple\n  ");
scanf("%d",&rtype);


printf("\nStudent Status: ");
printf("\n press 1 for New Student\n press 0 Existing Student\n  ");
scanf("%d",&sstatus);


printf("\nStudent type: ");
printf("\n press 1 for Medical\n press 0 for Engineering:\n  ");
scanf("%d",&stype);


printf("Referral status: ");
printf("\n press  1 if refferd \n press 0 if not refferd\n  ");
scanf("\n %d",&rstatus);



if(gen==1){

if(rtype==1&&sstatus==1&&stype==1&&pstatus==1&&rstatus==1){
    pay=9000+400-500-1000+200-500;
```

```c
    printf("\n| Room_id    | Contact Number        | Student Name
| Pass_Status    | Medical_history    | College Name    |");
    printf("\n| %d        | %d                | %s            | inactive
| %s            | %s            |",rid,cnum,name,mhis,cname);
    printf("\n| Age        | Service charge        | Gender        |
Discount offered| Total Bill to payed |            |");
    printf("\n| %d        | applicable            | female        | 3000
| %d            |                |",age,pay);


   }


    else
if(rtype==1&&sstatus==1&&stype==1&&pstatus==1&&rstatus==0){
   pay=9000+400-500-1000+200;



    printf("\n| Room_id    | Contact Number      | Student Name
| Pass_Status    | Medical_history    | College Name    |");
    printf("\n| %d        | %d                | %s            | inactive        |
%s            | %s            |",rid,cnum,name,mhis,cname);
    printf("\n| Age        | Service charge      | Gender        |
Discount offered| Total Bill to payed |            |");
    printf("\n| %d        | applicable          | female        | 2500
| %d            |                |",age,pay);


   }
```

```c
    else if(rtype==1&&sstatus==1&&stype==1&&pstatus==0&&rstatus==1){
  pay=9000+400-500-1000-500;


    printf("\n| Room_id   | Contact Number   | Student Name | Pass_Status   | Medical_history   | College Name   |");
    printf("\n| %d      | %d         | %s        | active      | %s         | %s        |",rid,cnum,name,mhis,cname);
    printf("\n| Age      | Service charge   | Gender       | Discount offered| Total Bill to payed |        |");
    printf("\n| %d      | not applicable   | female      | 3000 | %d        |        |",age,pay);


  }


    else if(rtype==1&&sstatus==1&&stype==0&&pstatus==1&&rstatus==1){
  pay=9000+400-500+200-500;


    printf("\n| Room_id   | Contact Number   | Student Name | Pass_Status   | Medical_history   | College Name   |");
    printf("\n| %d      | %d         | %s        | inactive     | %s         | %s        |",rid,cnum,name,mhis,cname);
```

```c
        printf("\n| Age         | Service charge      | Gender          |
Discount offered| Total Bill to payed |              |");
        printf("\n| %d          | applicable         | female         | 2000
| %d              |               |",age,pay);


    }


        else
if(rtype==1&&sstatus==0&&stype==1&&pstatus==1&&rstatus==1){
    pay=9000+400-1000+200-500;



        printf("\n| Room_id     | Contact Number      | Student Name
| Pass_Status     | Medical_history     | College Name     |");
        printf("\n| %d          | %d               | %s              | inactive      |
%s            | %s             |",rid,cnum,name,mhis,cname);
        printf("\n| Age         | Service charge      | Gender          |
Discount offered| Total Bill to payed |              |");
        printf("\n| %d          | applicable         | female         | 2500
| %d              |               |",age,pay);


    }


        else
if(rtype==0&&sstatus==1&&stype==1&&pstatus==1&&rstatus==1){
    pay=9000-500-1000+200-500;
```

```c
    printf("\n| Room_id    | Contact Number    | Student Name
| Pass_Status   | Medical_history    | College Name    |");
    printf("\n| %d        | %d             | %s          | inactive     |
%s          | %s           |",rid,cnum,name,mhis,cname);
    printf("\n| Age       | Service charge    | Gender        |
Discount offered| Total Bill to payed |           |");
    printf("\n| %d        | applicable       | female        | 3000
| %d           |             |",age,pay);


    }


    else
if(rtype==1&&sstatus==1&&stype==1&&pstatus==0&&rstatus==0){
  pay=9000+400-500-1000;



    printf("\n| Room_id    | Contact Number    | Student Name
| Pass_Status   | Medical_history    | College Name    |");
    printf("\n| %d        | %d             | %s          | active        |
%s          | %s           |",rid,cnum,name,mhis,cname);
    printf("\n| Age       | Service charge    | Gender        |
Discount offered| Total Bill to payed |           |");
    printf("\n| %d        | not applicable    | female        | 2500
| %d           |             |",age,pay);
```

```c
    }

    else if(rtype==1&&sstatus==1&&stype==0&&pstatus==1&&rstatus==0){
  pay=9000+400-500+200;


    printf("\n| Room_id    | Contact Number     | Student Name    | Pass_Status    | Medical_history    | College Name    |");
    printf("\n| %d        | %d             | %s         | inactive      | %s          | %s          |",rid,cnum,name,mhis,cname);
    printf("\n| Age       | Service charge     | Gender         | Discount offered| Total Bill to payed |          |");
    printf("\n| %d        | applicable        | female         | 1500 | %d             |          |",age,pay);


    }

    else if(rtype==1&&sstatus==0&&stype==1&&pstatus==1&&rstatus==0){
  pay=9000+400-1000+200;


    printf("\n| Room_id    | Contact Number     | Student Name    | Pass_Status    | Medical_history    | College Name    |");
```

```c
        printf("\n| %d          | %d              | %s          | inactive       |
%s          | %s          |",rid,cnum,name,mhis,cname);
        printf("\n| Age       | Service charge     | Gender        |
Discount offered| Total Bill to payed |              |");
        printf("\n| %d        | applicable        | female        | 2000
| %d              |              |",age,pay);


    }


    else
if(rtype==0&&sstatus==1&&stype==1&&pstatus==1&&rstatus==0){
   pay=9000-500-1000+200;



        printf("\n| Room_id    | Contact Number    | Student Name
| Pass_Status    | Medical_history    | College Name    |");
        printf("\n| %d          | %d              | %s          | inactive       |
%s          | %s          |",rid,cnum,name,mhis,cname);
        printf("\n| Age       | Service charge     | Gender        |
Discount offered| Total Bill to payed |              |");
        printf("\n| %d        | applicable        | female        | 2000
| %d              |              |",age,pay);



    }
```

```c
    else
if(rtype==1&&sstatus==1&&stype==0&&pstatus==0&&rstatus==1){
   pay=9000+400-500-500;


      printf("\n| Room_id    | Contact Number     | Student Name
| Pass_Status    | Medical_history    | College Name    |");
      printf("\n| %d        | %d             | %s        | active       |
%s           | %s           |",rid,cnum,name,mhis,cname);
      printf("\n| Age       | Service charge     | Gender        |
Discount offered| Total Bill to payed |           |");
      printf("\n| %d        | not applicable    | female       | 2000
| %d           |             |",age,pay);


   }


    else
if(rtype==1&&sstatus==0&&stype==1&&pstatus==0&&rstatus==1){
   pay=9000+400-1000-500;



      printf("\n| Room_id    | Contact Number     | Student Name
| Pass_Status    | Medical_history    | College Name    |");
      printf("\n| %d        | %d             | %s        | active       |
%s           | %s           |",rid,cnum,name,mhis,cname);
```

```c
        printf("\n| Age        | Service charge    | Gender         |
Discount offered| Total Bill to payed |            |");
        printf("\n| %d        | not applicable   | female        | 2500
| %d            |            |",age,pay);


    }


    else
if(rtype==0&&sstatus==1&&stype==1&&pstatus==0&&rstatus==1){
   pay=9000-500-1000-500;


        printf("\n| Room_id    | Contact Number    | Student Name
| Pass_Status    | Medical_history    | College Name    |");
        printf("\n| %d        | %d            | %s        | active       |
%s           | %s           |",rid,cnum,name,mhis,cname);
        printf("\n| Age        | Service charge    | Gender         |
Discount offered| Total Bill to payed |            |");
        printf("\n| %d        | not applicable   | female        | 3000
| %d            |            |",age,pay);


    }


    else
if(rtype==1&&sstatus==0&&stype==0&&pstatus==1&&rstatus==1){
   pay=9000+400+200-500;
```

```c
        printf("\n| Room_id    | Contact Number    | Student Name
| Pass_Status    | Medical_history    | College Name    |");
        printf("\n| %d        | %d            | %s            | inactive    |
%s            | %s            |",rid,cnum,name,mhis,cname);
        printf("\n| Age        | Service charge    | Gender        |
Discount offered| Total Bill to payed |            |");
        printf("\n| %d        | applicable        | female        | 1500
| %d            |            |",age,pay);


        }


        else
if(rtype==0&&sstatus==1&&stype==0&&pstatus==1&&rstatus==1){
    pay=9000-500+200-500;


        printf("\n| Room_id    | Contact Number    | Student Name
| Pass_Status    | Medical_history    | College Name    |");
        printf("\n| %d        | %d            | %s            | inactive    |
%s            | %s            |",rid,cnum,name,mhis,cname);
        printf("\n| Age        | Service charge    | Gender        |
Discount offered| Total Bill to payed |            |");
        printf("\n| %d        | applicable        | female        | 2000
| %d            |            |",age,pay);
```

```c
        }

    else if(rtype==0&&sstatus==0&&stype==1&&pstatus==1&&rstatus==1){
      pay=9000-1000+200-500;


        printf("\n| Room_id     | Contact Number     | Student Name    | Pass_Status    | Medical_history    | College Name     |");
        printf("\n| %d        | %d            | %s          | inactive      | %s           | %s           |",rid,cnum,name,mhis,cname);
        printf("\n| Age       | Service charge     | Gender         | Discount offered| Total Bill to payed |             |");
        printf("\n| %d        | applicable       | female        | 2500    | %d            |             |",age,pay);


        }

    else if(rtype==1&&sstatus==1&&stype==0&&pstatus==0&&rstatus==0){
      pay=9000+400-500;


        printf("\n| Room_id     | Contact Number     | Student Name    | Pass_Status    | Medical_history    | College Name     |");
```

```c
        printf("\n| %d          | %d            | %s            | active        | %s            | %s            |",rid,cnum,name,mhis,cname);
        printf("\n| Age        | Service charge    | Gender         | Discount offered| Total Bill to payed |            |");
        printf("\n| %d          | not applicable    | female          | 1500    | %d            |            |",age,pay);


        }


    else if(rtype==1&&sstatus==0&&stype==1&&pstatus==0&&rstatus==0){
      pay=9000+400-1000;



        printf("\n| Room_id    | Contact Number     | Student Name  | Pass_Status    | Medical_history    | College Name    |");
        printf("\n| %d          | %d            | %s            | active        | %s            | %s            |",rid,cnum,name,mhis,cname);
        printf("\n| Age        | Service charge     | Gender         | Discount offered| Total Bill to payed |            |");
        printf("\n| %d          | not applicable     | female          | 2500    | %d            |            |",age,pay);


        }
```

```c
        else
if(rtype==0&&sstatus==1&&stype==1&&pstatus==0&&rstatus==0){
    pay=9000-500-1000;


        printf("\n| Room_id    | Contact Number     | Student Name
| Pass_Status    | Medical_history    | College Name    |");
        printf("\n| %d        | %d              | %s        | active      |
%s          | %s            |",rid,cnum,name,mhis,cname);
        printf("\n| Age       | Service charge     | Gender        |
Discount offered| Total Bill to payed |             |");
        printf("\n| %d        | not applicable    | female        | 2500
| %d            |              |",age,pay);


        }


        else
if(rtype==1&&sstatus==0&&stype==0&&pstatus==1&&rstatus==0){
    pay=9000+400+200;


        printf("\n| Room_id    | Contact Number     | Student Name
| Pass_Status    | Medical_history    | College Name    |");
        printf("\n| %d        | %d              | %s        | inactive     |
%s          | %s            |",rid,cnum,name,mhis,cname);
```

```c
    printf("\n| Age         | Service charge     | Gender         |
Discount offered| Total Bill to payed |            |");
    printf("\n| %d          | applicable         | female         | 1000
| %d              |              |",age,pay);


    }


    else
if(rtype==0&&sstatus==1&&stype==0&&pstatus==1&&rstatus==0){
    pay=9000-500+200;



    printf("\n| Room_id     | Contact Number     | Student Name
| Pass_Status    | Medical_history     | College Name    |");
    printf("\n| %d          | %d                 | %s             | inactive     |
%s              | %s              |",rid,cnum,name,mhis,cname);
    printf("\n| Age         | Service charge     | Gender         |
Discount offered| Total Bill to payed |            |");
    printf("\n| %d          | applicable         | female         | 1500
| %d              |              |",age,pay);


    }


    else
if(rtype==0&&sstatus==0&&stype==1&&pstatus==1&&rstatus==0){
    pay=9000-1000+200;
```

```c
    printf("\n| Room_id    | Contact Number    | Student Name
| Pass_Status    | Medical_history    | College Name    |");
    printf("\n| %d        | %d            | %s            | inactive    |
%s            | %s            |",rid,cnum,name,mhis,cname);
    printf("\n| Age        | Service charge    | Gender        |
Discount offered| Total Bill to payed |            |");
    printf("\n| %d        | applicable        | female        | 2000
| %d            |            |",age,pay);


    }


    else
if(rtype==1&&sstatus==0&&stype==0&&pstatus==0&&rstatus==0){
  pay=9000+400;



    printf("\n| Room_id    | Contact Number    | Student Name
| Pass_Status    | Medical_history    | College Name    |");
    printf("\n| %d        | %d            | %s            | active        |
%s            | %s            |",rid,cnum,name,mhis,cname);
    printf("\n| Age        | Service charge    | Gender        |
Discount offered| Total Bill to payed |            |");
    printf("\n| %d        | not applicable    | female        | 1000
| %d            |            |",age,pay);
```

```c
    }

    else
if(rtype==0&&sstatus==1&&stype==0&&pstatus==0&&rstatus==0){
  pay=9000-500;


    printf("\n| Room_id    | Contact Number    | Student Name
| Pass_Status   | Medical_history   | College Name    |");
    printf("\n| %d        | %d            | %s        | active      |
%s         | %s          |",rid,cnum,name,mhis,cname);
    printf("\n| Age      | Service charge    | Gender        |
Discount offered| Total Bill to payed |          |");
    printf("\n| %d        | not applicable    | female       | 1500
| %d            |          |",age,pay);


    }

    else
if(rtype==0&&sstatus==0&&stype==1&&pstatus==0&&rstatus==0){
  pay=9000-1000;


    printf("\n| Room_id    | Contact Number    | Student Name
| Pass_Status   | Medical_history   | College Name    |");
```

```c
        printf("\n| %d        | %d             | %s           | active        |
%s            | %s             |",rid,cnum,name,mhis,cname);

        printf("\n| Age       | Service charge    | Gender         |
Discount offered| Total Bill to payed |            |");

        printf("\n| %d        | not applicable    | female         | 2000
| %d            |              |",age,pay);


    }


    else
if(rtype==0&&sstatus==0&&stype==0&&pstatus==1&&rstatus==0){
   pay=9000+200;



    printf("\n| Room_id   | Contact Number    | Student Name
| Pass_Status   | Medical_history   | College Name    |");

        printf("\n| %d        | %d             | %s           | inactive      |
%s            | %s             |",rid,cnum,name,mhis,cname);

        printf("\n| Age       | Service charge    | Gender         |
Discount offered| Total Bill to payed |            |");

        printf("\n| %d        | applicable        | female         | 1000
| %d            |              |",age,pay);



    }
```

```c
        else
if(rtype==0&&sstatus==0&&stype==0&&pstatus==0&&rstatus==1){
  pay=9000-500;


        printf("\n| Room_id    | Contact Number    | Student Name
| Pass_Status    | Medical_history    | College Name    |");
        printf("\n| %d        | %d            | %s        | active      |
%s          | %s            |",rid,cnum,name,mhis,cname);
        printf("\n| Age      | Service charge    | Gender        |
Discount offered| Total Bill to payed |            |");
        printf("\n| %d        | not applicable    | female        | 1500
| %d            |            |",age,pay);


        }


        else
if(rtype==0&&sstatus==0&&stype==0&&pstatus==0&&rstatus==0){
  pay=9000;



        printf("\n| Room_id    | Contact Number    | Student Name
| Pass_Status    | Medical_history    | College Name    |");
        printf("\n| %d        | %d            | %s        | active      |
%s          | %s            |",rid,cnum,name,mhis,cname);
```

```c
        printf("\n| Age          | Service charge    | Gender        |
Discount offered| Total Bill to payed |             |");
        printf("\n| %d           | not applicable    | female        | 1000
| %d              |              |",age,pay);


    }
}


if(gen==0){

if(rtype==1&&sstatus==1&&stype==1&&pstatus==1&&rstatus==1){
   pay=10000+400-500-1000+200-500;



    printf("\n| Room_id     | Contact Number     | Student Name
| Pass_Status    | Medical_history    | College Name    |");
        printf("\n| %d          | %d                | %s              | inactive      |
%s            | %s             |",rid,cnum,name,mhis,cname);
        printf("\n| Age          | Service charge     | Gender        |
Discount offered| Total Bill to payed |              |");
        printf("\n| %d           | applicable        | male          | 2000
| %d             |              |",age,pay);


    }
```

```c
    else
if(rtype==1&&sstatus==1&&stype==1&&pstatus==1&&rstatus==0){
   pay=10000+400-500-1000+200;


     printf("\n| Room_id    | Contact Number    | Student Name
| Pass_Status    | Medical_history    | College Name    |");
     printf("\n| %d        | %d              | %s          | inactive      |
%s          | %s        |",rid,cnum,name,mhis,cname);
     printf("\n| Age       | Service charge    | Gender        |
Discount offered| Total Bill to payed |            |");
     printf("\n| %d        | applicable      | male        | 1500
| %d          |            |",age,pay);


     }


    else
if(rtype==1&&sstatus==1&&stype==1&&pstatus==0&&rstatus==1){
   pay=10000+400-500-1000-500;


     printf("\n| Room_id    | Contact Number    | Student Name
| Pass_Status    | Medical_history    | College Name    |");
     printf("\n| %d        | %d              | %s          | active       |
%s          | %s        |",rid,cnum,name,mhis,cname);
```

```c
        printf("\n| Age          | Service charge     | Gender          |
Discount offered| Total Bill to payed |           |");
        printf("\n| %d          | not applicable     | male           | 2000
| %d             |             |",age,pay);


        }


    else
if(rtype==1&&sstatus==1&&stype==0&&pstatus==1&&rstatus==1){
  pay=10000+400-500+200-500;


        printf("\n| Room_id     | Contact Number     | Student Name
| Pass_Status    | Medical_history    | College Name    |");
        printf("\n| %d          | %d              | %s           | inactive    |
%s           | %s              |",rid,cnum,name,mhis,cname);
        printf("\n| Age         | Service charge     | Gender          |
Discount offered| Total Bill to payed |           |");
        printf("\n| %d          | applicable         | male           | 1000
| %d             |             |",age,pay);


        }


    else
if(rtype==1&&sstatus==0&&stype==1&&pstatus==1&&rstatus==1){
  pay=10000+400-1000+200-500;
```

```c
    printf("\n| Room_id    | Contact Number    | Student Name   | Pass_Status    | Medical_history    | College Name    |");
    printf("\n| %d        | %d            | %s            | inactive      | %s            | %s            |",rid,cnum,name,mhis,cname);
    printf("\n| Age        | Service charge    | Gender        | Discount offered| Total Bill to payed |            |");
    printf("\n| %d        | applicable       | male          | 1500          | %d            |            |",age,pay);


    }


    else if(rtype==0&&sstatus==1&&stype==1&&pstatus==1&&rstatus==1){
      pay=10000-500-1000+200-500;


    printf("\n| Room_id    | Contact Number    | Student Name   | Pass_Status    | Medical_history    | College Name    |");
    printf("\n| %d        | %d            | %s            | inactive      | %s            | %s            |",rid,cnum,name,mhis,cname);
    printf("\n| Age        | Service charge    | Gender        | Discount offered| Total Bill to payed |            |");
    printf("\n| %d        | applicable       | male          | 2000          | %d            |            |",age,pay);
```

```c
    }

    else
if(rtype==1&&sstatus==1&&stype==1&&pstatus==0&&rstatus==0){
  pay=10000+400-500-1000;


    printf("\n| Room_id    | Contact Number    | Student Name
| Pass_Status   | Medical_history    | College Name    |");
    printf("\n| %d        | %d            | %s        | active      |
%s          | %s            |",rid,cnum,name,mhis,cname);
    printf("\n| Age      | Service charge    | Gender        |
Discount offered| Total Bill to payed |           |");
    printf("\n| %d        | not applicable    | male         | 1500
| %d            |            |",age,pay);


    }

    else
if(rtype==1&&sstatus==1&&stype==0&&pstatus==1&&rstatus==0){
  pay=10000+400-500+200;


    printf("\n| Room_id    | Contact Number    | Student Name
| Pass_Status   | Medical_history    | College Name    |");
```

```c
        printf("\n| %d          | %d              | %s              | inactive      | %s            | %s              |",rid,cnum,name,mhis,cname);
        printf("\n| Age        | Service charge    | Gender        | Discount offered| Total Bill to payed |              |");
        printf("\n| %d         | applicable        | male          | 500         | %d              |              |",age,pay);


    }


    else if(rtype==1&&sstatus==0&&stype==1&&pstatus==1&&rstatus==0){
    pay=10000+400-1000+200;



    printf("\n| Room_id    | Contact Number    | Student Name  | Pass_Status    | Medical_history    | College Name    |");
        printf("\n| %d          | %d              | %s              | active        | %s            | %s              |",rid,cnum,name,mhis,cname);
        printf("\n| Age        | Service charge    | Gender         | Discount offered| Total Bill to payed |              |");
        printf("\n| %d         | applicable        | male          | 1000        | %d              |              |",age,pay);


    }
```

```c
        else
if(rtype==0&&sstatus==1&&stype==1&&pstatus==1&&rstatus==0){
   pay=10000-500-1000+200;


       printf("\n| Room_id    | Contact Number    | Student Name
| Pass_Status    | Medical_history    | College Name    |");
       printf("\n| %d        | %d            | %s         | inactive      |
%s          | %s          |",rid,cnum,name,mhis,cname);
       printf("\n| Age       | Service charge    | Gender        |
Discount offered| Total Bill to payed |          |");
       printf("\n| %d        | applicable      | male        | 1500
| %d          |          |",age,pay);


       }


       else
if(rtype==1&&sstatus==1&&stype==0&&pstatus==0&&rstatus==1){
   pay=10000+400-500-500;


       printf("\n| Room_id    | Contact Number    | Student Name
| Pass_Status    | Medical_history    | College Name    |");
       printf("\n| %d        | %d            | %s         | active      |
%s          | %s          |",rid,cnum,name,mhis,cname);
```

```c
        printf("\n| Age        | Service charge    | Gender        |
Discount offered| Total Bill to payed |             |");
        printf("\n| %d         | not applicable    | male          | 1000
| %d              |             |",age,pay);


        }


        else
if(rtype==1&&sstatus==0&&stype==1&&pstatus==0&&rstatus==1){
    pay=10000+400-1000-500;



        printf("\n| Room_id    | Contact Number    | Student Name
| Pass_Status    | Medical_history    | College Name    |");
        printf("\n| %d         | %d                | %s            | active        |
%s               | %s               |",rid,cnum,name,mhis,cname);
        printf("\n| Age        | Service charge    | Gender        |
Discount offered| Total Bill to payed |             |");
        printf("\n| %d         | not applicable    | male          | 1500
| %d              |             |",age,pay);



        }


        else
if(rtype==0&&sstatus==1&&stype==1&&pstatus==0&&rstatus==1){
    pay=10000-500-1000-500;
```

```c
        printf("\n| Room_id    | Contact Number    | Student Name
| Pass_Status    | Medical_history    | College Name    |");
        printf("\n| %d         | %d              | %s            | active        |
%s            | %s             |",rid,cnum,name,mhis,cname);
        printf("\n| Age        | Service charge    | Gender         |
Discount offered| Total Bill to payed |            |");
        printf("\n| %d         | not applicable    | male          | 2000
| %d            |            |",age,pay);


    }


    else
if(rtype==1&&sstatus==0&&stype==0&&pstatus==1&&rstatus==1){
    pay=10000+400+200-500;



        printf("\n| Room_id    | Contact Number     | Student Name
| Pass_Status    | Medical_history    | College Name    |");
        printf("\n| %d         | %d              | %s           | inactive      |
%s            | %s             |",rid,cnum,name,mhis,cname);
        printf("\n| Age        | Service charge     | Gender         |
Discount offered| Total Bill to payed |            |");
        printf("\n| %d         | applicable        | male          | 500
| %d            |            |",age,pay);
```

```c
        }

    else
if(rtype==0&&sstatus==1&&stype==0&&pstatus==1&&rstatus==1){
  pay=10000-500+200-500;


      printf("\n| Room_id    | Contact Number    | Student Name
| Pass_Status    | Medical_history    | College Name    |");
      printf("\n| %d        | %d            | %s        | active      |
%s          | %s            |",rid,cnum,name,mhis,cname);
      printf("\n| Age      | Service charge    | Gender        |
Discount offered| Total Bill to payed |          |");
      printf("\n| %d        | applicable      | male        | 1000
| %d            |          |",age,pay);


    }

    else
if(rtype==0&&sstatus==0&&stype==1&&pstatus==1&&rstatus==1){
  pay=10000-1000+200-500;


      printf("\n| Room_id    | Contact Number    | Student Name
| Pass_Status    | Medical_history    | College Name    |");
```

```c
    printf("\n| %d         | %d             | %s           | active       |
%s           | %s           |",rid,cnum,name,mhis,cname);
    printf("\n| Age       | Service charge    | Gender        |
Discount offered| Total Bill to payed |             |");
    printf("\n| %d         | applicabl       | male         | 1500
| %d             |             |",age,pay);


    }


    else
if(rtype==1&&sstatus==1&&stype==0&&pstatus==0&&rstatus==0){
    pay=10000+400-500;


    printf("\n| Room_id     | Contact Number    | Student Name
| Pass_Status     | Medical_history    | College Name     |");
    printf("\n| %d         | %d             | %s           | active        |
%s           | %s           |",rid,cnum,name,mhis,cname);
    printf("\n| Age       | Service charge     | Gender         |
Discount offered| Total Bill to payed |             |");
    printf("\n| %d         | not applicable     | male         | 500
| %d             |             |",age,pay);


    }
```

```c
    else
if(rtype==1&&sstatus==0&&stype==1&&pstatus==0&&rstatus==0){
    pay=10000+400-1000;


    printf("\n| Room_id     | Contact Number     | Student Name
| Pass_Status     | Medical_history     | College Name     |");
    printf("\n| %d          | %d                 | %s           | active        |
%s             | %s           |",rid,cnum,name,mhis,cname);
    printf("\n| Age          | Service charge      | Gender           |
Discount offered| Total Bill to payed |               |");
    printf("\n| %d          | not applicable      | male           | 1000
| %d             |               |",age,pay);


    }


    else
if(rtype==0&&sstatus==1&&stype==1&&pstatus==0&&rstatus==0){
    pay=10000-500-1000;


    printf("\n| Room_id     | Contact Number     | Student Name
| Pass_Status     | Medical_history     | College Name     |");
    printf("\n| %d          | %d                 | %s           | active        |
%s             | %s           |",rid,cnum,name,mhis,cname);
```

```c
        printf("\n| Age         | Service charge    | Gender          |
Discount offered| Total Bill to payed |             |");

        printf("\n| %d          | not applicable    | male          | 1500
| %d              |                 |",age,pay);


    }


    else
if(rtype==1&&sstatus==0&&stype==0&&pstatus==1&&rstatus==0){

    pay=10000+400+200;



        printf("\n| Room_id    | Contact Number    | Student Name
Discount offered| Total Bill to payed |             |");

        printf("\n| %d          | applicable        | male          | 0            |
%d              |                 |",age,pay);


    }


    else
if(rtype==0&&sstatus==1&&stype==0&&pstatus==1&&rstatus==0){

    pay=10000-500+200;



        printf("\n| Room_id    | Contact Number    | Student Name
| Pass_Status    | Medical_history    | College Name    |");
```

```c
        printf("\n| %d          | %d                  | %s              | inactive      |
%s              | %s                |",rid,cnum,name,mhis,cname);

        printf("\n| Age        | Service charge      | Gender          |
Discount offered| Total Bill to payed |                |");

        printf("\n| %d          | applicable          | male            | 500
| %d                |                   |",age,pay);


    }


    else
if(rtype==0&&sstatus==0&&stype==1&&pstatus==1&&rstatus==0){
    pay=10000-1000+200;



        printf("\n| Room_id    | Contact Number      | Student Name
| Pass_Status    | Medical_history     | College Name     |");

        printf("\n| %d          | %d                  | %s              | inactive      |
%s              | %s                |",rid,cnum,name,mhis,cname);

        printf("\n| Age        | Service charge      | Gender          |
Discount offered| Total Bill to payed |                |");

        printf("\n| %d          | applicable          | male            | 1000
| %d                |                   |",age,pay);



    }
```

```c
        else
if(rtype==1&&sstatus==0&&stype==0&&pstatus==0&&rstatus==0){
    pay=10000+400;


        printf("\n| Room_id    | Contact Number    | Student Name
| Pass_Status    | Medical_history    | College Name    |");
        printf("\n| %d        | %d            | %s        | active        |
%s          | %s          |",rid,cnum,name,mhis,cname);
        printf("\n| Age        | Service charge    | Gender        |
Discount offered| Total Bill to payed |            |");
        printf("\n| %d        | not applicable    | male        | 0
| %d            |            |",age,pay);


        }


        else
if(rtype==0&&sstatus==1&&stype==0&&pstatus==0&&rstatus==0){
    pay=10000-500;


        printf("\n| Room_id    | Contact Number    | Student Name
| Pass_Status    | Medical_history    | College Name    |");
        printf("\n| %d        | %d            | %s        | active        |
%s          | %s          |",rid,cnum,name,mhis,cname);
```

```c
        printf("\n| Age        | Service charge     | Gender        |
Discount offered| Total Bill to payed |              |");
        printf("\n| %d        | not applicable    | male          | 500
| %d              |                |",age,pay);


        }


    else
if(rtype==0&&sstatus==0&&stype==1&&pstatus==0&&rstatus==0){
   pay=10000-1000;


        printf("\n| Room_id    | Contact Number     | Student Name
| Pass_Status    | Medical_history    | College Name    |");
        printf("\n| %d        | %d              | %s           | active        |
%s            | %s             |",rid,cnum,name,mhis,cname);
        printf("\n| Age        | Service charge     | Gender        |
Discount offered| Total Bill to payed |              |");
        printf("\n| %d        | not applicable    | male          | 1000
| %d              |                |",age,pay);


        }


    else
if(rtype==0&&sstatus==0&&stype==0&&pstatus==1&&rstatus==0){
   pay=10000+200;
```

```c
    printf("\n| Room_id    | Contact Number     | Student Name
| Pass_Status    | Medical_history    | College Name    |");
    printf("\n| %d        | %d             | %s            | inactive      |
%s          | %s            |",rid,cnum,name,mhis,cname);
    printf("\n| Age      | Service charge     | Gender         |
Discount offered| Total Bill to payed |          |");
    printf("\n| %d        | applicable       | male        | 0          |
%d          |         |",age,pay);


    }


    else
if(rtype==0&&sstatus==0&&stype==0&&pstatus==0&&rstatus==1){
  pay=10000-500;


    printf("\n| Room_id    | Contact Number     | Student Name
| Pass_Status    | Medical_history    | College Name    |");
    printf("\n| %d        | %d             | %s            | active       |
%s          | %s            |",rid,cnum,name,mhis,cname);
    printf("\n| Age      | Service charge     | Gender         |
Discount offered| Total Bill to payed |          |");
    printf("\n| %d        | not applicable    | male        | 500
| %d          |         |",age,pay);
```
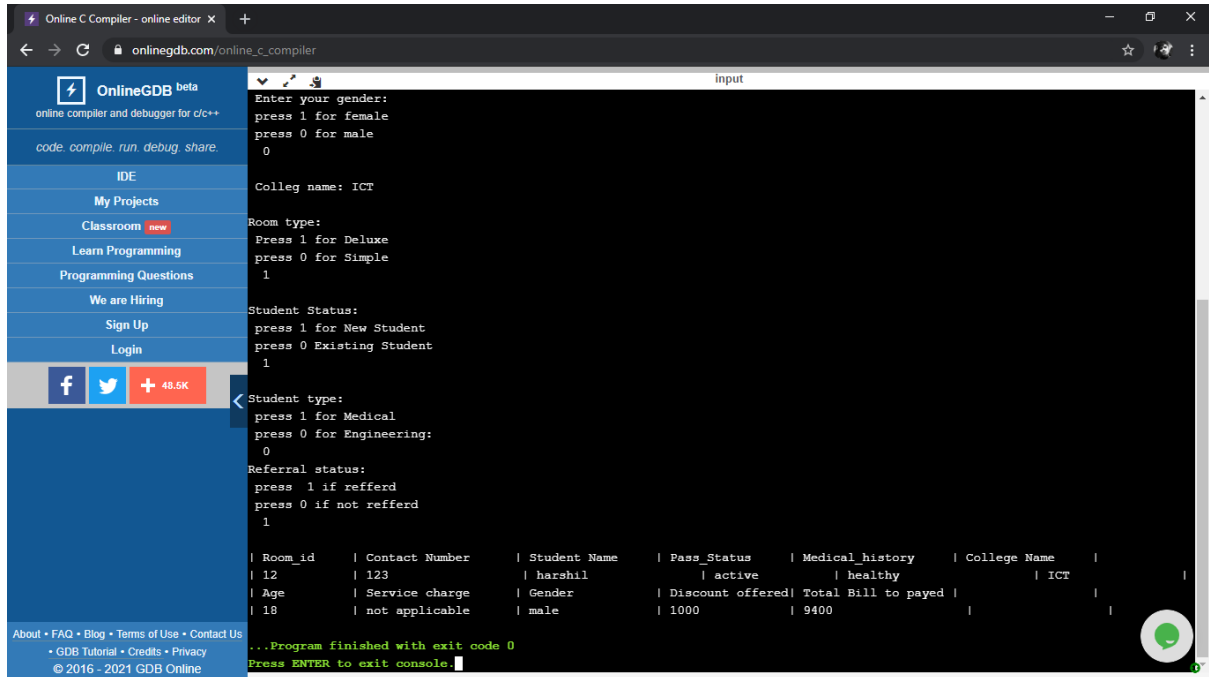
```c
    }

    else
if(rtype==0&&sstatus==0&&stype==0&&pstatus==0&&rstatus==0){
    pay=10000;

    printf("\n| Room_id    | Contact Number    | Student Name
| Pass_Status   | Medical_history   | College Name    |");
    printf("\n| %d        | %d             | %s          | active       |
%s         | %s          |",rid,cnum,name,mhis,cname);
    printf("\n| Age      | Service charge    | Gender        |
Discount offered| Total Bill to payed |         |");
    printf("\n| %d       | not applicable    | male        | 0
| %d           |          |",age,pay);

    }
}

}
```

OUTPUT:

Enter your gender:
press 1 for female
press 0 for male
 0

Colleg name: ICT

Room type:
 Press 1 for Deluxe
 press 0 for Simple
 1

Student Status:
 press 1 for New Student
 press 0 Existing Student
 1

Student type:
 press 1 for Medical
 press 0 for Engineering:
 0
Referral status:
 press 1 if refferd
 press 0 if not refferd
 1

Room_id	Contact Number	Student Name	Pass_Status	Medical_history	College Name	
12	123	harshil	active	healthy	ICT	
Age	Service charge	Gender	Discount offered	Total Bill to payed		
18	not applicable	male	1000	9400		

...Program finished with exit code 0
Press ENTER to exit console.

Algorithm:

Step-1: Start

Step-2: Declare all variable

Step-3: Scan all values

Step-4: check condition

Step-5: If condition is true then print all values

Step-6: If condition is false then print all values

Step-7: Print all values

Step-8:Stop

Flowchart: