

# C-PROJECT

PROGRAM:

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

```
int main()
```

```
{
```

```
int experience;
```

```
float concession, fee = 0;
```

```
char artform, ch, gender, s, danceform;
```

```
do
```

```
{
```

```
printf("\nEnter your choice of dance form:");
```

```
printf("\na: Kuchupudi");
```

```
printf("\nb: Bharatanatyam");
```

```
printf("\nc: Kathak");
```

```
scanf(" %c", &danceform);
```

```
switch (danceform)
```

```
{
```

```
case 'a':
```

```
printf("\nEnter gender of the student:");
```

```
        printf("\nM: Male");
printf("\nF: Female\n");
scanf(" %c", &gender);

        switch (gender)
        {
            case 'M':

printf("\nEnter your experience in specific dance form:");

                scanf(" %d", &experience);
                if (experience>=1 && experience<=3)
                {
                    concession =0.05*fee;
                    fee=1000-concession;
                    printf("Fee= %f",fee);
                }
                else if (experience>=4 && experience<=7)
                {
                    concession =0.1*1000;
                    fee = 1000-concession;
                    printf("Fee = %f",fee);
                }
                else
                {
```

```

        concession =0.2*1000;

        fee = 1000-concession;

        printf("Fee = %f",fee);

    }

    break;

    case 'F':

printf("\nEnter your experience in specific dance form:");

        scanf(" %d", &experience);

        if (experience >=1 && experience<=3)

            {

                concession =0.1*1000;

                fee = 1000-concession;

                printf("Fee = %f", fee);

            }

        else if (experience>=4 && experience<=7)

            {

                concession =0.15*1000;

                fee = 1000-concession;

                printf("Fee = %f", fee);

            }

        else

            {

```

```
concession =0.25*1000;
```

```
fee = 1000-concession;
```

```
printf("Fee = %f", fee);
```

```
}
```

```
break;
```

```
default:
```

```
printf("\nInvalid input for gender.");
```

```
break;
```

```
}
```

```
break;
```

```
case 'b':
```

```
printf("\nEnter gender of the student:");
```

```
printf("\nM: Male");
```

```
printf("\nF: Female\n");
```

```
scanf(" %c", &gender);
```

```
switch (gender)
```

```
{
```

```
case 'M':
```

```
printf("\nEnter your experience in specific dance form:");
```

```
scanf(" %d", &experience);
```

```
if (experience>=1 && experience<=3)
```

```

        {
            concession =0.05*1500;

            fee = 1500-concession;

            printf("Fee = %f", fee);

        }

    else if (experience>=4 && experience<=7)

        {

            concession =0.1*1500;

            fee = 1500-concession;

            printf("Fee = %f", fee);

        }

    else

        {

            concession =0.2*1500;

            fee = 1500-concession;

            printf("Fee = %f", fee);

        }

    break;

    case 'F':

printf("\nEnter your experience in specific dance form:");

        scanf(" %d", &experience);

        if (experience>=1 && experience<=3)

```

```

        {
            concession =0.1*1500;
            fee = 1500-concession;
            printf("Fee = %f", fee);
        }
    else if (experience>=4 && experience<=7)
    {
        concession =0.15*1500;
        fee = 1500-concession;
        printf("Fee = %f", fee);
    }
    else
    {
        concession =0.25*1500;
        fee = 1500-concession;
        printf("Fee = %f", fee);
    }
    break;

    default:
        printf("\nInvalid input for gender.");
        break;

```

```

        }
        break;
        case 'c':
printf("\nEnter gender of the student:");

        printf("\nM: Male");
        printf("\nF: Female\n");
        scanf(" %c", &gender);
        switch (gender)
        {
            case 'M':
printf("\nEnter your experience in specific dance form:");
                scanf(" %d", &experience);
                if (experience>=1 && experience<=3)
                {
                    concession=0.05*2000;
                    fee = 2000-concession;
                    printf("Fee = %f", fee);
                }
                else if (experience>=4 && experience<=7)
                {
                    concession=0.1*2000;
                    fee = 2000-concession;

```

```

        printf("Fee = %f", fee);
    }
    else
    {
        concession = 0.2 * 2000;
        fee = 2000 - concession;
        printf("Fee = %f", fee);
    }
    break;
    case 'F':
printf("\nEnter your experience in specific dance form:");
        scanf(" %d", &experience);
        if (experience >= 1 && experience <= 3)
        {
            concession = 0.1 * 2000;
            fee = 2000 - concession;
            printf("Fee = %f", fee);
        }
        else if (experience >= 4 && experience <= 7)
        {
            concession = 0.15 * 2000;
            fee = 2000 - concession;

```



```
        printf("Fee = %f", fee);
    }
    else
    {
        concession=0.25*2000;
        fee =2000-concession;
        printf("Fee = %f", fee);
    }
    break;
default:
    printf("\nInvalid input for gender.");
    break;
}
break;
default:
    printf("\nInvalid input for dance form.");
    break;
} printf("\nDo you want to continue? (y/n)");
scanf(" %c", &s);
}
while (s == 'y');
}
```

OUTPUT:

Enter your choice of dance form:

a: Kuchupudi

b: Bharatanayam

c: Kathaka

Enter gender of the student:

M: Male

F: Female

M

Enter your experience in specific dance form: 4

Fee=900.000000

Do you want to continue? (y/n)y

Enter your choice of dance form:

a: Kuchupudi

b: Bharatanayam

c: Kathakb

Enter gender of the student:

M: Male

F: Female

F

Enter your experience in specific dance form: 4

Fee=1125.000000

Do you want to continue? (y/n)n