

ASSIGNMENT # 1 :

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```
#include<stdio.h>

#define regular_price 10      // for regular price $10
#define regular_min 50
#define regular_over_charge 0.02
#define premium_price 25      // for premium am to pm || pm to am
#define premium_am_price 0.10
#define premium_pm_price 0.50
#define premium_am_min 75      //the min which is free under $25
#define premium_pm_min 100

float regular(char service,int accnum);      //prototypes
float premium( char service,int accnum);

int main ()
{
int accnum;
char service;

printf("ENTER YOUR ACCOUNT NUMBER \n");      //account number
scanf("%d",&accnum);

printf ("ENTER YOUR SERVICE REGULER OR PREMIUM \n");    // asking
about service reguler or premium
scanf(" %c",&service);
if (service=='R' || service=='r' || service=='P' || service=='p')    // pass only r || R and
P || p   otherwise show error
{
}
else
{
printf("!!ERROR THIS SERVICE NOT AVALIBLE \n");
return 0;
}
regular(service,accnum);      // function call
premium( service,accnum);    // function call
return 0;
}

float regular(char service,int accnum)      //function for regurler
{
```

```

float x,total;
int min;

if (service=='R' || service=='r')
{
printf("ENTER THE NUM OF MIN \n");
scanf ("%d",&min);
if( min<= reguler_min)                //condition  reguler_min =50  declare in
macron
{
printf("YOUR ACCOUNT NUMBER IS %d \n",accnum);          // output
printf("YOUR ACCOUNT SEVICE IS  REGULER \n");
printf("THE TOTAL MINUTES YOU USED IS %d \n",min);
printf("TOTAL BILL FOR YOUR SERVICE IS %d\n",reguler_price);
}
else
{
x=reguler_over_charge*(min-reguler_min);                // if coustomer use extra
min
total=x+reguler_price;

printf("YOUR ACCOUNT NUMBER IS %d \n",accnum);          // output
printf("YOUR ACCOUNT SEVICE IS  REGULER \n");
printf("THE TOTAL MINUTES YOU USED IS %d \n",min);
printf("TOTAL BILL FOR YOUR SERVICE IS %.2f \n",total);

}
}
}

```

```

float premium( char service,int accnum)                //funtion for premium
{
float x1,y1,x2,y2;
int minAM,minPM;
if (service=='P' || service=='p')
{
printf("ENTER THE NUM OF MIN FROM 6AM TO 6PM \n");      // am to pm
scanf ("%d",&minAM);
printf("ENTER THE NUM OF MIN FROM 6PM TO 6AM \n");      // pm to am
scanf ("%d",&minPM);
if (minAM<=premium_am_min)                             // condition for am to pm
premium_am_min =75  is declare in macron
{
x1=premium_am_price*0;
}
}
}

```

```

else
{
y1=premium_am_price*(minAM-premium_am_min);    // premium_am_min
MACRON
}

if(minPM<=premium_pm_min)                        // condition for am to am
premium_pm_min =100  is declare in macron
{
x2=premium_pm_price*0;
}
else
{
y2= premium_pm_price*(minPM-premium_pm_min);    // premium_pm_min
MACRON
}
printf("YOUR ACCOUNT NUMBER IS %d \n",accnum);          //output
printf("YOUR ACCOUNT SEVICE IS PREMIUM \n");
printf("THE TOTAL MINUTES YOU USED IN AM TO PM IS %d \n",minAM);
printf("THE TOTAL MINUTES YOU USED IN PM TO AM IS %d \n",minPM);
printf("TOTAL BILL FOR YOUR PREMIUM SERVICE IS %.2f\n",
(y1+y2)*premium_price);    // premium_price =25 || y1 & y2 total of minutes with
cahrges

}
}

```

OUTPUT FOR REGULER :

```

haris@haris-Latitude-5490:~/PF$ ./assign
ENTER YOUR ACCOUNT NUMBER
7866
ENTER YOUR SERVICE REGULER OR PREMIUM
R
ENTER THE NUM OF MIN
45
YOUR ACCOUNT NUMBER IS 7866
YOUR ACCOUNT SEVICE IS REGULER
THE TOTAL MINUTES YOU USED IS 45
TOTAL BILL FOR YOUR SERVICE IS 10
haris@haris-Latitude-5490:~/PF$ ./assign
ENTER YOUR ACCOUNT NUMBER
7866
ENTER YOUR SERVICE REGULER OR PREMIUM
r
ENTER THE NUM OF MIN
79
YOUR ACCOUNT NUMBER IS 7866
YOUR ACCOUNT SEVICE IS REGULER
THE TOTAL MINUTES YOU USED IS 79
TOTAL BILL FOR YOUR SERVICE IS 10.58
haris@haris-Latitude-5490:~/PF$ █

```

OUTPUT FOR PREMIUM :

```
haris@haris-Latitude-5490:~/PF$ ./assign
ENTER YOUR ACCOUNT NUMBER
7866
ENTER YOUR SERVICE REGULER OR PREMIUM
P
ENTER THE NUM OF MIN FROM 6AM TO 6PM
78
ENTER THE NUM OF MIN FROM 6PM TO 6AM
124
YOUR ACCOUNT NUMBER IS 7866
YOUR ACCOUNT SEVICE IS PREMIUM
THE TOTAL MINUTES YOU USED IN AM TO PM IS 78
THE TOTAL MINUTES YOU USED IN PM TO AM IS 124
TOTAL BILL FOR YOUR PREMIUM SERVICE IS 307.50
haris@haris-Latitude-5490:~/PF$
```