

# Computer programming (20cys113 and 20cys181)

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program 1.) To calculate the temperature of the freezer from its elapsed time

```
#include<stdio.h>
void main()
{
    int t,T;
    // t is the input of hours//
    // T is the temperature of the freezer from the time elapsed//
    printf("Enter the number of hours:");
    scanf("%d",&t);
    T = ((4*t*t)/(t+2))-20;
    printf("Temperature of the freezer the time elapsed is %d",T);
}
```

```
Enter the number of hours:3
Temperature of the freezer the time elapsed is -13
```

program 2.) calculation of rate, volume and time.

```
#include<stdio.h>
void main()
{
    double rate,volume,time;
    printf("Enter the volume(quantity):");
    scanf("%lf",&volume);
    printf("Enter the time in minutes:");
    scanf("%lf",&time);
    time = time/60;
    rate = volume/time;
    printf("The rate is %.6f",rate);
}
```

```
    printf("The rate is %f",rate);  
}
```

```
Enter the volume(quantity):100  
Enter the time in minutes:30  
The rate is 200.000000pavan@PAV
```

problem 3.) caluclation of payment for every kilometre

```
#include<stdio.h>  
void main()  
{  
    double start,end,perkm=5,payment;  
    printf("Enter the value of the starting destination:");  
    scanf("%lf",&start);  
    printf("Enter the value of the end destination:");  
    scanf("%lf",&end);  
    payment=(end-start)*perkm;  
    printf("the payment awared for travelling is %f",payment);  
}
```

```
Enter the value of the starting destination:100  
Enter the value of the end destination:400  
the payment awared for travelling is 1500.000000
```