# ASSIGNMENT - 1

NAME: SANJAII VIJAYAKUMAR

REGISTER NO: 21BRS1021

SLOT: L31+L32+L49+L50

DATE: 25.02.2022

XYZ Company pays salary to their employees once in 15 days. Find the monthly salary of an employee.

#### CODE:

```
//register no: 21BRS1021
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//redistribution
//redist
```

Glass A contains Pepsi and Glass B contains 7Up. Suggest a way to exchange the contents of glass A & B.

## CODE:

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

int main()

char *a = "pepsi";

char *b = "7UP";

char *temp = b;

printf("\nBefore exchange:glass A has %s,glass B has %s",a,b);

b = a;

a = temp;

printf("\nAfter exchange:glass A has %s,glass B has %s",a,b);

return 0;

return 0;
```

```
//Users/vijayakumarmuthusamy/Desktop

cd "/Users/vijayakumarmuthusamy/Desktop/" && gcc test.c -o test && "/Users/vijayakumarmuthusamy/Desktop/"test

Before exchange:glass A has pepsi,glass B has 7UP

After exchange:glass A has 7UP,glass B has pepsi.

After exchange:glass A has 7UP,glass B has pepsi.
```

Your summer surveying job requires you to study some maps that give distances in kilometers and some that use miles. You and your coworkers prefer to deal in metric measurements. Write a program that performs the necessary conversion.

## CODE:

```
#include <stdio.h>

int main()

{

float km,miles,km_to_meters,miles_to_meters;

printf("enter distance in Km:"); scanf("%f",&km);

printf("enter distance in miles:"); scanf("%f",&miles);

miles_to_meters = miles * 1.60934;

miles_to_meters = miles_to_meters * 1000;

km_to_meters = km * 1000;

printf("\nGiven %.2fKm in meters:%.2fm",km,km_to_meters);

printf("\nGiven %.2f miles in meters:%.2fm",miles,miles_to_meters);

return 0;

}
```

```
/Users/vijayakumarmuthusamy/Desktop

do "/Users/vijayakumarmuthusamy/Desktop/" && gcc test.c -o test && "/Users/vijayakumarmuthusamy/Desktop/"test enter distance in Km:3 enter distance in miles:3

Given 3.00Km in meters:3000.00m

Given 3.00 miles in meters:4828.02m

Given 3.00 miles in meters:4828.02m

Given 3.00 miles in meters:4828.02m

Given 3.00 miles in meters:4828.02m
```

Your local bank has many customers who often visit the branch to perform FOREX exchange. A customer can bring any coins (quarters, dimes, nickels, pennies, and US dollars) of any numbers. Calculate the value of money in terms of rupees for each customer.

## CODE:

```
#include <stdio.h>

int main()

{
    int penny,nickel,dime,quarter,half_dollar,cents;
    float dollar,rupees;
    printf("Enter no of pennies:"); scanf("%d",&penny);
    printf("Enter no of nickels:"); scanf("%d",&nickel);
    printf("Enter no of dimes:"); scanf("%d",&dime);
    printf("Enter no of quarter:"); scanf("%d",&quarter);
    printf("Enter no of half dollars:"); scanf("%d",&half_dollar);
    cents = (penny*1)+(nickel*5)+(dime*10)+(quarter*25)+(half_dollar*50);
    dollar = (float)cents/100;
    rupees = dollar * 63.55;
    printf("total amount given:$%.2f exchanged to :₹%.2f",dollar,rupees);
    return 0;
}
```

```
/Users/vijayakumarmuthusamy

cd "/Users/vijayakumarmuthusamy/Desktop/" && gcc test.c -o test && "/Users/vijayakumarmuthusamy/Desktop/"test
Enter no of pennies:5
Enter no of dimes:3
Enter no of quarter:4
Enter no of half dollars:1
total amount given:$1.95 exchanged to :₹123.92
```

Rahul is charged with a total simple interest of Rs. 4016.25 at the rate of 9 % per annum for 5 years. What is the original amount he has borrowed from the bank?

## CODE:

```
//register no: 21BRS1021
#include <stdio.h>

// int main()

float simple_interest = 4016.25,principle_amt;
int rate = 9, time = 5;
principle_amt = (100*simple_interest)/(rate*time);
printf("the original amount Rahul borrowed:₹%.2f",principle_amt);
return 0;

return 0;

// principle_amt = (100*simple_interest)/(rate*time);
// principle_amt);
```

```
//Users/vijayakumarmuthusamy/COLLEGE/PROGRAMMING/github/C_PROBLEMS_VI
//Users/vijayakumarmuthusamy/COLLEGE/PROGRAMMING/github/C_PROBLEMS_VIT (master)

cd "/Users/vijayakumarmuthusamy/COLLEGE/PROGRAMMING/github/C_PROBL

EMS_VIT/" && gcc test2.c -o test2 && "/Users/vijayakumarmuthusamy/COL

LEGE/PROGRAMMING/github/C_PROBLEMS_VIT/"test2

the original amount Rahul borrowed:₹8925.000000%
```

A cylindrical cake oven with 20 cm as diameter and 10 cm as depth is given to the baker. How much of flour is needed for the baker to prepare the cake batter.

## CODE:

```
//register no: 21BRS1021
//rediscipled
//red
```