Quiz#1   <u>Name</u>: Muhammad Anas <u>Roll No</u>: 23p-0613

Question no 1: Write a C program that reads three values from users and find the sum and average of three numbers.

Code:

```c
#include<stdio.h>

int main()
{

 int num1,num2,num3,sum,average;

 printf("Enter num1:");
 scanf("%d",&num1);

 printf("Enter num2:");
 scanf("%d",&num2);

 printf("Enter num3:");
 scanf("%d",&num3);

 sum=num1+num2+num3;
 printf("Sum of three number is %d",sum);

 average=sum/3;

 printf("\nAverage of three numbers is %d",average);

 return 0;
}
```

Output:

```
muhammad-anas@muhammad-anas-Latitude-5490:~/Desktop$ touch lab8.c
muhammad-anas@muhammad-anas-Latitude-5490:~/Desktop$ gcc lab8.c
muhammad-anas@muhammad-anas-Latitude-5490:~/Desktop$ ./a.out
Enter num1:
5
Enter num2:
8
Enter num3:
9
Sum of three number is 22
Average of three numbers is 7muhammad-anas@muhammad-anas-Latitude-5490:~/Desktop
```

Question 2: Write a C program that reads the mass of an object in kilogram and converts it to grams.

Code:

#include<stdio.h>

int main()

{

float gram,kilogram;

printf("Enter mass in kilogram:");

scanf("%f",&kilogram);

gram=kilogram*1000;

printf("Mass in gram %f",gram);

return 0;

}

Output:

```
rizvi@rizvi-Latitude-7280:~/Desktop$ gcc lab7.c
rizvi@rizvi-Latitude-7280:~/Desktop$ ./a.out
Enter mass in kilogram:
6
Mass in gram 6000.000000rizvi@rizvi-Latitude-7280:~/Desktop$ gcc lab7.c
rizvi@rizvi-Latitude-7280:~/Desktop$ ./a.out
Enter mass in kilogram:
8
Mass in gram 8000rizvi@rizvi-Latitude-7280:~/Desktop$
```

Question 3: Design a C program that prompts user to input mass in kg and the acceleration in a meter per second squared. Then compute and display the resulting force in newton using the formula F=ma.

Code:

```c
#include<stdio.h>
int main()
{
 float force,mass,acceleration;

 printf("Enter value of mass:");
 scanf("%f",&mass);

 printf("Enter value of acceleration:");
 scanf("%f",&acceleration);

 force=mass*acceleration;

 printf("value of force is %g Newton",force);
 return 0;
}
```

Output:

```
sktop$ gcc lab6.c
muhammad-anas@muhammad-anas-Latitude-5490:~/Desktop$ ./a.out
Enter value of mass:
8
Enter value of acceleration:
5
value of force is 40 Newtonmuhammad-anas@muhammad-anas-Latitude-5490:~/Desktop$
```