1. Write a program to print size of an int, a float, a char and a double type variable.

ANS:-

```c
#include<stdio.h>
#include<conio.h>
int main()
{


    printf("size of int is %d\n",sizeof(int));
    printf("size of float is %d\n",sizeof(float));
    printf("size of char is %d\n",sizeof(char));

    getch();
    return 0;
}
```

2. Write a program to find last digit of a given three digit number.

ANS:-

```c
     #include<stdio.h>
#include<conio.h>
int main()
{
    int num,l;

    printf("Enter a three digit number: ");
    scanf("%d",&num);
    l = num%10;
    printf("Last digit of %d is %d",num,l);
    getch();
    return 0;
}
```

3. Write a program to find first digit of a given three digit number.

ANS:-

```c
#include<stdio.h>
#include<conio.h>
int main()
{
    int num,l;

    printf("Enter a three digit number: ");
    scanf("%d",&num);
```

```
    l = num/100;
    printf("Last first of %d is %d",num,l);
    getch();
    return 0;
}
```

4. Write a program to find middle digit of a given three digit number.

ANS:-

```c
#include<stdio.h>
#include<conio.h>
int main()
{
    int num,M,N;

    printf("Enter a three digit number: ");
    scanf("%d",&num);
    N = num/10;
    M=N%10;
    printf("Middile digit of %d is %d",num,M);
    getch();
    return 0;
}
```

5. Write a program to swap values of two int variables.

ANS:-

```c
#include<stdio.h>
#include<conio.h>
int main()
{
    int num1,num2;
    int*p=&num1;
    int*q=&num2;
    printf("Enter first number: ");
    scanf("%d",&num1);
    printf("Enter second number: ");
    scanf("%d",&num2);
    printf("you have entered first number = %d and second number = %d",*p,*q);
    printf("\n******After swapping*******\nfirst number = %d \nsecond number = %d",*q,*p);
    getch();
    return 0;

}
```

6. Write a program to swap values of two int variables without using third variable.

ANS:-

```c
#include<stdio.h>
#include<conio.h>
int main()
{
    int num1, num2, num3, avg;
    printf("Enter three digits: ");
    scanf("%d%d%d",&num1,&num2,&num3);

    avg = (num1+num2+num3)/3;
    printf("Average is %d",avg);
    getch();
    return 0;
}
```

7. Write a program to make the last digit of a number stored in a variable as zero.(Example – if x=2345 then make it x=2340)

ANS:-

```c
#include<stdio.h>
#include<conio.h>
int main()
{
    int num,number,p;
    printf("Enter number: ");
    scanf("%d",&num);

    p = num/10;
    number=p*10;

    printf("%d",number);
    getch();
    return 0;
}
```

8. Write a program to input a number from the user and also input a digit. Append a digit in the number and print the resulting number. (Example – number=234 and digit = 9 then resulting number is 2349)

ANS:-

```c
#include<stdio.h>
#include<conio.h>
int main()
{
    int num,number,p,q;
```

```c
    printf("Enter number: ");
    scanf("%d",&num);

    printf("Enter a digit: ");
    scanf("%d",&q);

    p = num*10;
    number=p+q;

    printf("%d",number);
    getch();
    return 0;
}
```

9. Assume price of 1 USD in=s INR 76.23. Write a program to take the amount in INR and convert it into USD.

ANS:-

```c
#include<stdio.h>
#include<conio.h>
int main()
{
  float num1, num2;

    printf("Enter INR.: ");
    scanf("%f",&num1);

    num2 = num1*0.013;
    printf("%f INR. = %f USD.",num1,num2);
    getch();
    return 0;
}
```

10. Write a program to take a three digit number from the user and rotate its digits by one position towards the right.

ANS:-

```c
#include<stdio.h>
#include<conio.h>
int main()
{
  int num,r,d,number;

    printf("Enter three digit number: ");
    scanf("%d",&num);

    r = num%10;
```

```
    d=num/10;
    number=r*100+d;
     printf("number is %d",number);
     getch();
     return 0;
}
```