

C assignments – Day 9 (5-Sept-2022)

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Que1 – Write a program to check the given number is even or odd.

```
#include <stdio.h>
void main(){
    int a;
    printf("Enter a number \n");
    scanf("%d",&a);
    if (a%2==0)
        printf("The entered number is even.");
    else
        printf("The entered number is odd.");
}
```

Que2- Write a program to check the given number is positive or negative.

```
#include <stdio.h>
void main(){
    int a;
    printf("Enter a number \n");
    scanf("%d",&a);
    if(a%10>=0)
        printf("The entered number is positive.");
    else
        printf("The entered number is negative.");
}
```

Que3- Write a program to read the number from the user and check whether its second last digit is odd or even.

```
#include <stdio.h>
void main()
{
    int a;
    printf("Enter a number \n");
    scanf("%d", &a);
    a %= 100;
    a /= 10;
    printf("%d\n", a);
    if (a % 2 == 0)
        printf("The second last digit of entered number is even.");
}
```

```

    else
        printf("The second last digit of entered number is odd.");
}

```

Que4- Write a program to read two numbers from the user. If the first number is greater than second then display their addition otherwise display their subtraction.

```

#include <stdio.h>
void main(){
    int a,b;
    printf("Enter two numbers \n");
    scanf("%d%d",&a,&b);
    if (a>b)
        printf("The addition is: %d", a+b);
    else
        printf("The subtraction is: %d", b-a);
}

```

Que5- Write a program to read two 3-digit numbers from the users and check whether the sum of all the digits of those two numbers is divisible by 3 and 5.

```

#include <stdio.h>
void main(){
    int a,b,a1,a2,a3,b1,b2,b3,sum;
    printf("Enter two 3 digit numbers \n");
    scanf("%d%d",&a,&b);
    a1 = a%10;
    a/=10;
    a2 = a%10;
    a/=10;
    a3=a%10;

    b1 = b%10;
    b/=10;
    b2 = b%10;
    b/=10;
    b3 = b%10;

    sum = a1+a2+a3+b1+b2+b3;

    if(sum%3==0 && sum%5==0)
        printf("The sum of all digits of the entered nummbers is divisible by 3 & 5");
}

```

```
    else
        printf("The sum of all digits of the entered nummbers is not divisible by 3 & 5");
}
```

Que6- Write a program to read two numbers from the user and check the multiplication of last digits of these number is divisible by 3 or not.

```
#include <stdio.h>
void main(){
    int a,b;
    printf("Enter two numbers \n");
    scanf("%d%d",&a,&b);
    a%=10;
    b%=10;
    if (a*b%3==0)
        printf("The multiplication of last digits of entered numbers is divisible by 3" );
    else
        printf("The multiplication of last digits of entered numbers is not divisible by 3");
}
```