

Assignment - 2 A Job Ready Bootcamp in C++, DSA and IOT

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Operators in C Language

ANSWER OF THE QUESTIONS

Ques:1.

```
#include<stdio.h>
#include<conio.h>
int main()
{
    int a,rem;
    printf("Enter a Number\t");
    scanf("%d",&a);
    rem=a%10;
    printf("%d is a unit digit of %d",rem,a);
    getch();
    return 0;
}
```

Ques:2.

```
#include<stdio.h>
#include<conio.h>
int main()
{
    int x,n;
    printf("Enter a number x=");
    scanf("%d",&x);
    n=x/10;
    printf("x=%d",n);
    getch();
    return 0;
}
```

Ques:3.

```
#include<stdio.h>
#include<conio.h>
int main()
{
    int a,b,c;
    printf("Enter Two Number\t");
    scanf("%d%d",&a,&b);
    c=a;
    a=b;
    b=c;
    printf("%d\t%d",a,b);
    getch();
    return 0;
}
```

Ques:4.

```
#include<stdio.h>
#include<conio.h>
int main()
{
    int a=15,b=10;
    a=a+b;
    printf("%d\t%d", a=a-b,b=a-b);
    getch();
    return 0;
}
```

Ques:5.

```
#include<stdio.h>
#include<conio.h>
int main()
{
    int a,num1,num2,num3,sum;
    printf("Enter Three Digit Number\t");
    scanf("%d",&a);
    printf("\nFirst Digit =%d\nMiddle Digit=%d\nLast
Digit=%d\n",num1=a/100,num2=a%100/10,num3=a%10);
    sum=num1+num2+num3;
    printf("\nSum of the digits=%d",sum);
    getch();
    return 0;
}
```

Ques:6.

```
#include<stdio.h>
#include<conio.h>
int main()
{
    char a;
    printf("Enter a Character\t");
    scanf("%c",&a);
    printf("\nASCII Code of %c=%d",a,a);
    getch();
    return 0;
}
```

Ques:7.

```
#include<stdio.h>
#include<conio.h>
int main()
{
    int x, count=0, result=0;
    printf("Enter a number whose find the first position is 1 in LSB:");
    scanf("%d",&x);
    while(x!=0)
    {
        result=x&1;
        count++;
        if(result==1)
        {
            printf("%d",count);
            break;
        }
        x=x>>1;
    }
    getch();
    return 0;
}
```

Ques:8.

```
#include<stdio.h>
#include<conio.h>
int main()
{
    int x;
    printf("Enter a Number\t");
    scanf("%d",&x);
    (x&1)? printf("Odd"): printf("Even");
    getch();
    return 0;
}
```

Ques:9.

```
/*#include<stdio.h>
#include<conio.h>
int main()
{
    int i,f,c,d;
    i=sizeof(int);
    f=sizeof(float);
    c=sizeof(char);
    d=sizeof(double);
    printf("\nSize of int type: %d\nSize of float type: %d\nSize of char type: %d\nSize of double type: %d",i,f,c,d);
}
```

```

    getch();
    return 0;
}*/

#include<stdio.h>
#include<conio.h>
int main()
{
    int inttype;
    float floattype;
    char chartype;
    double doublbetype;
    printf("size of int type: %d\n",sizeof(int));
    printf("size of float type: %d\n",sizeof(float));
    printf("size of char type: %d\n",sizeof(char));
    printf("size of double type: %d\n",sizeof(double));
    getch();
}

```

Ques:10

```

#include<stdio.h>
#include<conio.h>
int main()
{
    int a,rem,n;
    printf("Enter a Number\t");
    scanf("%d",&a);
    rem=a%10;
    n=a-rem;
    printf("%d",n);
    getch();
    return 0;
}

```

Ques:11.

```

/*#include<stdio.h>
#include<conio.h>
int main()
{
    int x,y;
    printf("Enter a Number and Digit:");
    scanf("%d%d",&x,&y);
    if(y<=9)
        printf("%d%d",x,y);
    else
        printf("Your input is wrong, Please check and enter right number and digit.");
}*/

#include<stdio.h>

```

```

#include<conio.h>
int main()
{
    int x,y,z,n;
    printf("Enter a Number and Digit:");
    scanf("%d%d",&x,&y);
    z=x*10;
    n=z+y;
    if(y<=9)
        printf("%d",n);
    else
        printf("Your input is wrong, Please check and enter right number and digit.");
    getch();
    return 0;
}

```

Ques:12.

```

#include<stdio.h>
#include<conio.h>
int main()
{
    float INR,USD;
    printf("Enter INR:");
    scanf("%f",&INR);
    USD=INR/76.23;
    printf("%fUSD",USD);
    getch();
    return 0;
}

```

Ques:13.

```

/*#include<stdio.h>
#include<conio.h>
int main()
{
    int a,x,num1,num2,num3;
    printf("Enter Three Digit Number:");
    scanf("%d",&a);
    num1=a/100;
    x=a%100;
    num2=x/10;
    num3=a%10;
    if(a>=100&&a<=999)
        printf("Rotate digits by one position towards the right:%d%d%d",num3,num1,num2);
    else
        printf("Your input is wrong, Please check and enter right number.");
    getch();
    return 0;
}

```

```
*/  
  
#include<stdio.h>  
#include<conio.h>  
int main()  
{  
    int a,x,rem,n,m;  
    printf("Enter Three Digit Number:");  
    scanf("%d",&a);  
    x=a/10;  
    rem=a%10;  
    m=rem*100;  
    n=m+x;  
    if(a>=100&&a<=999)  
        printf("Rotate digits by one position towards the right:%d",n);  
    else  
        printf("Your input is wrong, Please check and enter right number.");  
    getch();  
    return 0;  
}
```