

Assignment 2

Question 1

```
#include <stdio.h>

int main() {

    int a;

    printf("Enter a no. ");

    scanf("%d",&a);

    a=a%10;

    printf("%d",a);

    return 0;

}
```

Question 2

```
#include <stdio.h>

int main() {

    int a;

    printf("Enter a no. ");

    scanf("%d",&a);

    a=a/10;

    printf("%d",a);

    return 0;

}
```

Assignment 2

Question 3

```
#include <stdio.h>

int main() {

    int a,b,c;

    printf("Enter two no. ");

    scanf("%d%d",&a,&b);

    printf("Before swap a is %d and b is %d\n",a,b);

    c=a;

    a=b;

    b=c;

    printf("After swap a is %d and b is %d",a,b);

    return 0;

}
```

Question 4

```
#include <stdio.h>

int main() {

    int a,b;

    printf("Enter two no. ");

    scanf("%d%d",&a,&b);

    printf("Before swap a is %d and b is %d\n",a,b);

    a=a+b;

    b=a-b;

    a=a-b;

    printf("After swap a is %d and b is %d",a,b);

    return 0;

}
```

Assignment 2

Question 5

```
#include <stdio.h>

int main() {
    int a,sum=0;
    printf("Enter a three digit no. ");
    scanf("%3d",&a);
    while(a!=0)
    {
        sum=sum + (a%10);
        a=a/10;
    }
    printf("Sum of all the digits are %d",sum);
    return 0;
}
```

Question 6

```
#include <stdio.h>

int main()
{
    char c;
    printf("Enter a character to find its ASCII value: ");
    scanf("%c", &c);
    int a = c;
    printf("ASCII value of %c = %d\n", c, a);
    return 0;
}
```

Assignment 2

Question 7

```
#include <stdio.h>

int main() {
    int a,pos=0;
    printf("Enter a number");
    scanf("%d",&a);
    while(a!=0)
    {
        pos++;
        if(a&1)
            break;
        a=a>>1;
    }
    printf("%d",pos);
    return 0;
}
```

Question 8

```
#include <stdio.h>

int main() {
    int a,pos=0;
    printf("Enter a number");
    scanf("%d",&a);
    a&1?printf("odd"):printf("even");
    return 0;
}
```

Assignment 2

Question 9

```
#include <stdio.h>

int main() {
    char c;
    printf("size of char type variable is %d\n",sizeof(c));
    int a;
    printf("size of int type variable is %d %d\n",sizeof(a));
    float b;
    printf("size of float type variable is %d\n",sizeof(b));
    double d;
    printf("size of double type variable is %d\n",sizeof(d));
    return 0;
}
```

Question 10

```
#include <stdio.h>

int main() {
    int a;
    printf("Enter a no. ");
    scanf("%d",&a);
    a=a/10;
    a=a*10;
    printf("After making the last digit of the number stored in a variable as zero is %d",a);
    return 0;
}
```

Assignment 2

Question 11

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

```
int main() {  
    int a,b;  
    printf("Enter a no. and a digit ");  
    scanf("%d%d",&a,&b);  
    a=a*10+b;  
    printf("After appending that digit in the number is %d",a);  
    return 0;  
}
```

Question 12

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

```
int main() {  
    float amt;  
    printf("Enter the amt in INR ");  
    scanf("%f",&amt);  
    amt=amt/76.23;  
    printf("In USD amt is %f",amt);  
    return 0;  
}
```

Assignment 2

Question 13

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

```
int main() {
```

```
    int numb,a=0;
```

```
    printf("Enter the three digit no. ");
```

```
    scanf("%3d",&numb);
```

```
    while(numb!=0)
```

```
    {
```

```
        a=a*10+(numb%10);
```

```
        numb=numb/10;
```

```
    }
```

```
    printf("After rotating its digits by one position towards the right, number will be %d",a);
```

```
    return 0;
```

```
}
```
