÷ Assignment - 2 ÷

Q-1
```
#include <stdio.h>
int main()
{ int x;
  printf("enter a no");
  scanf("%d", &x);
  printf("Unit digit of %d is %d", x, x%10);
  printf("\n");
  return 0;
}
```

Q-2
```
int main()
{ int x;
  printf("enter a no");
  scanf("%d", &x);
  printf("no without last digit %d", x/10);
  printf("\n");
  return 0;
}
```

Q-3
```
int main()
{ int a, b, c;
  printf("enter value of a & b");
  scanf("%d%d", &a, &b);
  printf("a = %d & b = %d", a, b);
  c = a;
  a = b;
  b = c;
  printf("\n");
  printf("a = %d and b = %d", a, b);
  return 0;
}
```

4

```
int main()
{
    int a, b, c;
    Printf("enter value of a and b");
    Scanf("%d %d", &a, &b);
    Printf("a = %d and b = %d", a, b);
    a = a+b;
    b = a-b;
    a = a-b;
    Printf("\n");
    Printf("a = %d and b = %d", a, b);
```

5

```
int main()
{ int x = 123;
  int rem = 0, sum = 0;
  rem = x % 10;
  x = x / 10;
  sum = sum + rem;

  rem = x % 10;
  x = x / 10;
  sum = sum + rem;

  rem = x % 10;
  x = x / 10;
  sum = sum + rem;

  Printf("%d", sum);
  return 0;
}
```

Q-6

```
int main()
{ char c;
  printf("enter any character");
  scanf("%c", &c);
  int x = c;
  printf("ascii code is %d", x);
  return 0;
}
```

Q-7

G = 110

LSB (least significant bit)

MSB (most significant bit)

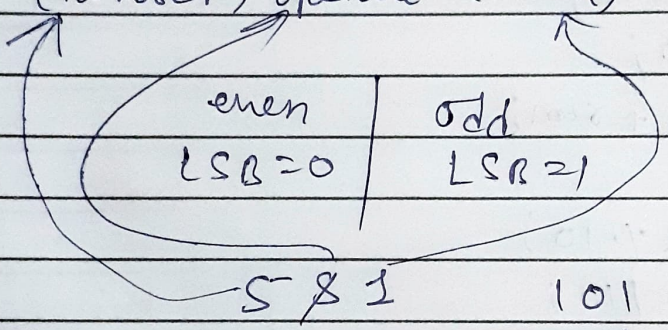
÷ Masking ÷

X = 12 ⇒ Binary ⇒ 1100

⇒ (number) operate (MASK) = Result

S = 101

1 = 000001




```
  101
& 001
-----
  001
```

```
int main()
{  int x = 8, count = 0;
   int result = 0;
   while (x != 0)
   {  result = x & 1;
      count++;
   if (result == 1)
   {  printf("%d", count);
      break;
   }  x = x >> 1;
   }  return 0;
```

8 int main()
{ int x;
printf("enter a no");
scanf("%d", &x);

int result = x & 1;
if (result == 1)
printf("odd");
else
Printf("even");
return 0;
}

9 int main()
{ int x;
x = sizeof(float);
printf("size is %d", x);
return 0;
}

int Main()
{ ~~char x;~~ int x;
x = sizeof(int);
printf("size is %d", x);
return 0;
}

int main()
{ int x;
x = sizeof(char);
printf("size is %d", x);
return 0;
}

10

```
int main()
{ int x;
  printf("enter any no");
  scanf("%d", &x);
  x = x/10;
  x = x % 10;
  printf("%d", x);
  return 0;
}
```

11

```
int main()
{ int number, digit, x;
  printf("enter a number and digit");
  scanf("number = %d and digit = %d", number, digit);
  x = number * 10 + digit;
  printf("%d", x);
return 0;
}
```

12

```
int main()
{ float n, usd;
  printf("enter amount in inr");
  scanf("%f", &n);
  usd = n/78.23;
  printf("amount in usd = %f", usd);
  return 0;
}
```

13

13

```
int main()
{ int x, rem, reverse;
  Printf("enter three digit no");
  Scanf("%d", &x);
  while (x!=0)
  { rem = x%.10;
    reverse = reverse *10 + rem;
     x = x/10;
  }
   Printf("%d", reverse);
   return 0;
  }
```