1. The following C statements are part of a C program. Write down the output.   [9]

```c
a. int i,j;
   for(i=1;i<5;i++)
     {
       for(j=1;j<=i;j++)
         {
           printf("%d",i);
         }
       printf("\n");
     }
```

```c
b. int a=3,b=8,c;
   c = a + b%a+b/a*a;
   while(a+b < 16)
     {
       a *=2;
       b--;
     }
   printf("a=%d b=%d c=%d\n",a,b,c);
```

----
a=   b=   c=

```c
c. int i=0,j=1,k=-1;
   if(i++ && --j)
     {
       k +=10;
     }
   else
     {
       k *=10;
     }
   printf("i=%d  j=%d  k=%d\n",i,j,k);
```

----
i=   j=   k=
----

2. The following program calculates the first 5 multiples of a postive number n. Complete
   the program by inserting suitable statments after the comments. [6]

```c
#include <stdio.h>
int main()
{
int n,i;
//Read n from the keyboard



//If n is invalid, terminate the program with appropriate message







printf("The first 5 multiples of %d are\n",n);
// Use a while loop or for loop to print the first 5 multiples of n








return 0;
}
```

Test data and expected output:

```
Eneter a +ve integer :-2
Invalid input

Eneter a +ve integer :4
The first 5 multiples of 4 are
4 x 1 = 4
4 x 2 = 8
4 x 3 = 12
4 x 4 = 16
4 x 5 = 20
```