

Assignment no - 12

```
① #include <stdio.h>
void print(int);
int main()
{
    print(9);
    printf("\n");
    return 0;
}
void print(int n)
{
    if (n > 0)
    {
        print(n-1);
        printf("%d\n", n);
    }
}
```

```
② #include <stdio.h>
void print(int);
int main()
{
    print(9);
}
void print(int n)
{
    if (n >= 1)
    {
        printf("%d", n);
        print(n-1);
    }
}
```

```
③ #include <stdio.h>
void printodd(int);
int main()
{
    printodd(10);
    return 0;
}
void printodd(int n)
{
    if (n == 0)
        return;
    printodd(n-1);
    printf("%d\n", (2*n-1));
}
```



```

(4) #include <stdio.h>
void printodd (int);
int main ()
{
    printodd (10);
    return 0;
}
void printodd (int n)
{
    if (n == 0)
        return;
    printf ("%d\n", (2*n-1));
    printodd (n-1);
}

```

```

(6) #include <stdio.h>
void printeven (int);
int main ()
{
    printeven (10);
    return 0;
}
void printeven (int n)
{
    if (n == 0)
        return;
    printf ("%d\n", 2*n);
    printeven (n-1);
}

```

```

(5) #include <stdio.h>
void printeven (int);
int main ()
{
    printeven (10);
    return 0;
}
void printeven (int n)
{
    if (n == 0)
        return;
    printeven (n-1);
    printf ("%d\n", 2*n);
}

```



```

7 #include <stdio.h>
  void printSquare(int);
  int main()
  {
    printSquare(10);
    return 0;
  }

  void printSquare(int n)
  {
    if (n == 0)
      return;
    printf("%d\n", (n * n));
    printSquare(n - 1);
  }

```

8 ~~###~~

```

10 #include <stdio.h>
    void reverse(int);
    int main()
    {
      int n;
      printf("Enter any number");
      scanf("%d", &n);
      printf("Reverse of %d is, ");
      reverse(n);
    }

    void reverse(int a)
    {
      if (a >= 1)
      { printf("%d", a % 10);
        reverse(a / 10);
      }
    }

```