Put() and get() functions:

Put():

It is used to output a line of text character by character basis.

get():

There are 2 types of get functions i.e. get(char*) and get(void) which help to fetch a character including the blank space, tab and a new line character.

Manipulators:

Manipulators are special functions that can be included is the I/O statements to alter the format parameters of a stream.

Followings are important manipulators functions:

Manipulator	Equivalent ios function
setw()	width()
setprecision	precision()
setfill()	fill()
setioflags()	setf()
resetioflags()	unsetf()

2.

```
// Illustrate a program for writing on a file.
#include<iostream>
#include<fstream>
 using namespace std;
 int main()
{
   ofstream fout;
   fout.open("abc.txt", ios::out);
   fout<<"Hello hi";
   fout.close();
}
```

Output inside file:

Hello hi

```
// Illustrate a program for reading data from file.
# include<iostream>
# include<fstream>
 using namespace std;
 int main()
 {  char a[20];
    ifstream file;
    file.open("abc.txt", ios::in);
    while(!file.eof())
    {
     file>>a;
     cout<<a<<" ";
    }
   file.close();
}
```

Output:

Hello hi

3.

```
// Illustrate a program for reading and writing data using put
// and get.
#include<iostream>
#include<string.h>
using namespace std;
int main()
{
   char b;
   cout<<"Enter a text:";
   while(b!='\n')
   {
     cin.get(b);
     cout.put(b);
    }
   return 0;
}
```

Output:

```
Enter a text: Ram Hari
Ram Hari
```

4.

// Create a file and store record using manipulators.

```
#include<iostream>
#include<fstream>
using namespace std;
int main()
{
    float a=3.145;
    ofstream file("Manipulators.txt", ios::out);
    file.fill('#');
    file.precision(4);
    file.width(8);
    file<<a;
    return 0;
}
```

Output inside file :

###3.145