ASSIGNMENT

Consider the given piece of code:

1. String S (long x) {
2. long pi =3.1416;
3. for (int i=0; i<2;i++)
4. {
5. pi = 0;
6. //some code
7. }
8. return "hi";
9. }

Q1. Find the symbol table representations of all the declarations in the body of S using (i) List of Hashtables and ii) Hashtable of list

Q2. Show the modifications of the variable "pi" in both the representations of the symbol table on i) Scope entry, ii) Variable declaration, iii) Variable use and iv) Scope exit