Output of the program is

Parent's method2()

Parent's method1()

*Parent p =* ***new*** *Child();*

This is a parent reference to child class.

*p.method2();*

This statement calls method 2 of parent class hence the output is

***Parent's method2()***

Then from method 2 of parent class method 1 of parent class is called. Hence the output is

***Parent's method1()***