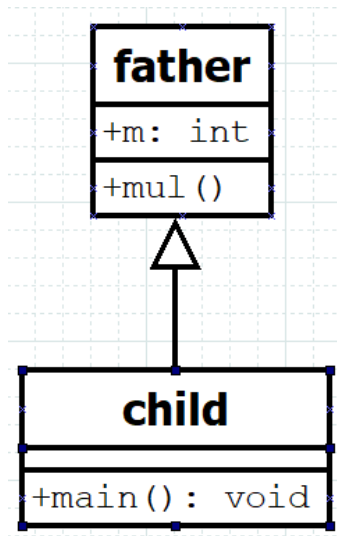


1.แม่สูตรคูณ แม่2



father - Notepad

File Edit Format View Help

```
class father {
    static int m;
    static void mul()
{
    for (int i=1; i<=12; i++){
        System.out.println(i*m);
    }
}
}
```

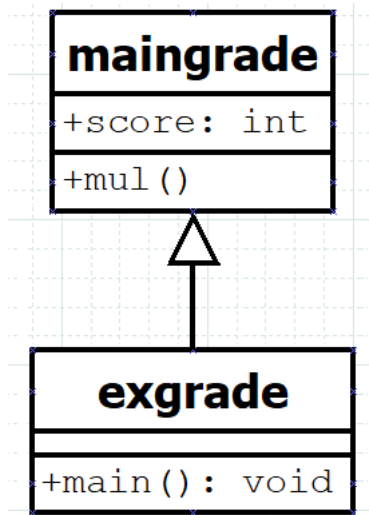
child - Notepad


File Edit Format View Help

```
class child extends father {
    public static void main(String args[]) {
        m = 2;
        mul();
    }
}
```

```
c:\Program Files\Java\jdk1.8.0_181\bin>javac father.java
c:\Program Files\Java\jdk1.8.0_181\bin>javac child.java
c:\Program Files\Java\jdk1.8.0_181\bin>java child
2
4
6
8
10
12
14
16
18
20
22
24
```

2. Grade



 maingrade - Notepad

File Edit Format View Help

```
class maingrade {
public static int score;
public static void mul() {
    String grade;
    if(score >=90){
        grade = "A";
    }
    else if(score >=85){
        grade = "B+";
    }
    else if(score >=80){
        grade = "B";
    }
    else if(score >=75){
        grade = "C+";
    }
    else if(score >=70){
        grade = "C";
    }
    else if(score >=65){
        grade = "D+";
    }
    else if(score >=60){
        grade = "D";
    }
    else{
        grade ="F";
    }
    System.out.println("Grade =" + grade);
}}
```

exgrade - Notepad
File Edit Format View Help

```
import java.io.*;
class exgrade extends maingrade{
public static void main(String args[])throws IOException{
    BufferedReader stdin = new BufferedReader
        (new InputStreamReader(System.in));
    String buf;
    buf = stdin.readLine();
    score = Integer.parseInt(buf);
    mul();
}}
```

```
C:\WINDOWS\system32\cmd.exe

c:\Program Files\Java\jdk1.8.0_181\bin>java exgrade
90
Grade =A

c:\Program Files\Java\jdk1.8.0_181\bin>java exgrade
58
Grade =F

c:\Program Files\Java\jdk1.8.0_181\bin>java exgrade
85
Grade =B+

c:\Program Files\Java\jdk1.8.0_181\bin>java exgrade
80
Grade =B

c:\Program Files\Java\jdk1.8.0_181\bin>java exgrade
75
Grade =C+

c:\Program Files\Java\jdk1.8.0_181\bin>java exgrade
70
Grade =C

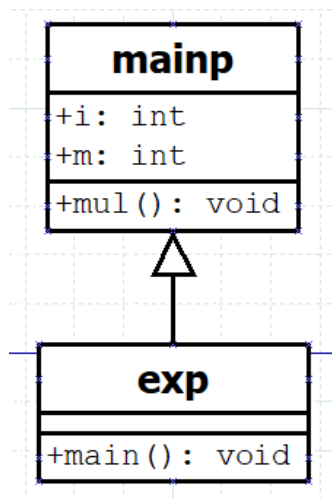
c:\Program Files\Java\jdk1.8.0_181\bin>java exgrade
65
Grade =D+

c:\Program Files\Java\jdk1.8.0_181\bin>java exgrade
60
Grade =D

c:\Program Files\Java\jdk1.8.0_181\bin>java exgrade
59
Grade =F

c:\Program Files\Java\jdk1.8.0_181\bin>
```

3.พีระมิด

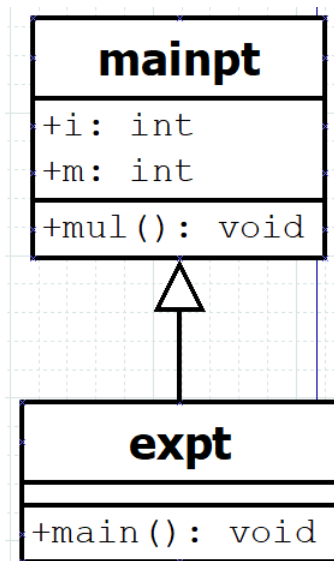


```
exp - Notepad
File Edit Format View Help
class exp extends mainp{
    public static void main(String args[]){
        mul();
    }
}
```

```
mainp - Notepad
File Edit Format View Help
class mainp {
    public static int i;
    public static int m;
    public static void mul() {
        int total =4;
        for (int i=1; i<= total; i++){
            for (int m=1; m<=i;m++){
                System.out.print("*");
            }
            for (int m=i; m>=2;m--){
                System.out.print(m);
            }
            for (int m=1; m<=i;m++){
                System.out.print(m);
            }
            System.out.println();
        }
    }
}
```

```
c:\Program Files\Java\jdk1.8.0_181\bin>java exp
*1
**212
***32123
****4321234
```

4.พิธีมิต2



expt - Notepad

File Edit Format View Help

```
class expt extends mainpt{
    public static void main(String args[]) {
        mul();
    }
}
```

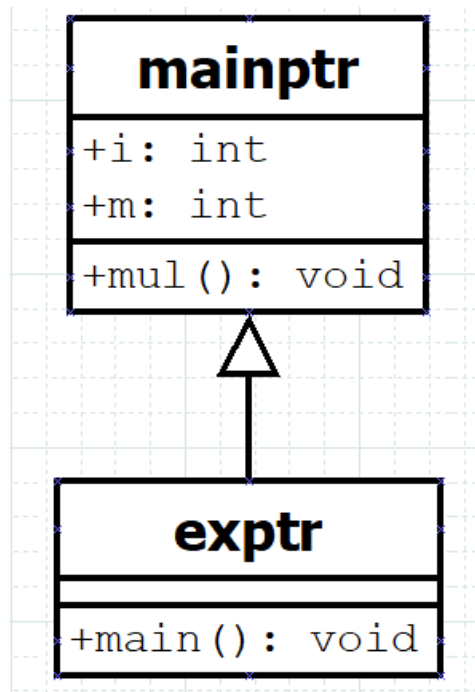
mainpt - Notepad

File Edit Format View Help

```
class mainpt {
    public static int i;
    public static int m;
    public static void mul() {
        for (int i=1; i<=4; i++){
            for (int m=1; m<=4-i;m++){
                System.out.print(" ");
            }
            System.out.print(i);
            for (int m=2; m<=i;m++){
                System.out.print("***");
            }
            System.out.print(i);
            System.out.println();
        }
        for (int i=3; i>=1;i--){
            for (int m=1;m<=4-i;m++){
                System.out.print(" ");
            }
            System.out.print(i);
            for (int m=2;m<=i;m++){
                System.out.print("***");
            }
            System.out.print(i);
            System.out.println();
        }
    }
}
```

```
c:\Program Files\Java\jdk1.8.0_181\bin>java expt
11
2**2
3****3
4*****4
3****3
2**2
11
```

5.พีระมิด3



exptr - Notepad

File Edit Format View Help

```
class exptr extends mainptr{
    public static void main(String args[]){
        mul();
    }
}
```

mainptr - Notepad

File Edit Format View Help

```
class mainptr {
    public static int i;
    public static int m;
    public static void mul() {
        for(int i=1;i<=5;i++){
            for(int m=2;m<=i;m++){
                System.out.print(" ");
            }
            for(int m=0;m<=5-i;m++){
                System.out.print("*");
            }
            for(int m=0;m<=4-i;m++){
                System.out.print("*");
            }
            for(int m=i;m>=1;m--){
                System.out.print(m);
            }
            System.out.println();
        }
    }
}
```

```
c:\Program Files\Java\jdk1.8.0_181\bin>java exptr
*****1
*****21
*****321
***4321
*54321
```