**package** epamtask5.com.task5;

**import** java.util.Scanner;

**import** java.util.logging.\*;

**public** **class** HouseConstructionLogger{

**public** **void** dimensions(){

**int** standard = 1200;

**int** abvstandard = 1500;

**int** highstandard = 1800;

**int** fullyautomated = 2500;

**float** area ;

Logger log = Logger.*getLogger*(HouseConstructionLogger.**class**.getName());

**try** (Scanner sc = **new** Scanner(System.***in***)) {

**float** total\_cost;

Boolean flag = **true**;

**while**(flag) {

log.info("Enter the area of the home to be constructed : ");

area = sc.nextFloat();

log.info("Which type of home do you want to perform : ");

log.info("\n1.Standard Material\n2.Above Standard Material\n3.High Standard Material\n4.Automated Home\n");

**int** ch = sc.nextInt();

**switch**(ch) {

**case** 1 :

total\_cost = area\*standard;

log.info("-----Standard Material costs:---\n"+"The total cost for home using STANDARD MATERIAL : "+ total\_cost);

log.info("\nDo you want to perform more operations?(y/n)");

ch=sc.next().charAt(0);

**if**(ch == 'y'||ch=='Y')

flag = **true**;

**else** {

flag = **false**;

log.info("Exit");

}

**break**;

**case** 2 :

total\_cost = area\*abvstandard;

log.info("-----Above Standard Material costs:---\n"+"The total cost for home using ABOVE STANDARD MATERIAL : "+ total\_cost);

log.info("\nDo you want to perform more operations?(y/n)");

ch=sc.next().charAt(0);

**if**(ch == 'y'||ch=='Y')

flag = **true**;

**else** {

flag = **false**;

log.info("Exit");

}

**break**;

**case** 3 :

total\_cost = area\*highstandard;

log.info("-----High Standard Material costs:---\n"+"The total cost for home using HIGH STANDARD MATERIAL : "+ total\_cost);

log.info("\nDo you want to perform more operations?(y/n)");

ch=sc.next().charAt(0);

**if**(ch == 'y'||ch=='Y')

flag = **true**;

**else** {

flag = **false**;

log.info("Exit");

}

**break**;

**case** 4 :

total\_cost = area\*fullyautomated;

log.info("-----Fully Automated Material costs:---\n"+"The total cost for home using FULLY AUTOMATED COST : "+ total\_cost);

log.info("\nDo you want to perform more operations?(y/n)");

ch=sc.next().charAt(0);

**if**(ch == 'y'||ch=='Y')

flag = **true**;

**else** {

flag = **false**;

log.info("Exit");

}

**break**;

}

}

}

**catch**(Exception e) {

log.info("Given area is wrong");

}

}

}

**package** epamtask5.com.task5;

**public** **class** StructureLogger {

**public** **static** **void** main(String[] args) {

HouseConstructionLogger hs = **new** HouseConstructionLogger();

hs.dimensions();

}

}