1 Question number 1: About Student Grade

```java
package assignment;

import java.util.Scanner;

public class StudentGrade {
    public static void main(String [] args){
        double mid,finals,total;
        Scanner input = new Scanner(System.in);
        System.out.println("Enter Mid Result between 0-40.");
        mid = input.nextDouble();
        System.out.println("Enter Final Result between 0-60.");
        finals = input.nextDouble();
        if (mid<0 || mid>40) {
            System.out.println("Please, Enter only between 0-40
numbers!");
        }
        else if(finals<0||finals>60){
            System.out.println("Please, Enter only between 0-60
numbers!");
        }
        else {
            total = mid+finals;
            if(total>=90 && total<100){
                System.out.println("Total mark is: "+total);
                System.out.println("Grade letter: A");
            }
            else if(total>=75 && total<90){
                System.out.println("Total mark is: "+total);
                System.out.println("Grade letter: B");
            }
            else if(total>=60 && total<75){
                System.out.println("Total mark is: "+total);
                System.out.println("Grade letter: C");
            }
            else if(total>=50 && total<60){
                System.out.println("Total mark is: "+total);
                System.out.println("Grade letter: D");
            }
            else {
                System.out.println("Total mark is: "+total);
                System.out.println("Grade letter: F");
            }

        }
    }
}
```

2 Question number 2: Ofii kees kan ijoolleen Wal bira qabi ilaali. Kun deebi ta'u miti!

```java
package assignment;

import java.util.Scanner;

public class Rectangle {

    public static double RectArea(double width,double height){
        return width*height;
    }

    public static double RectPeri(double width,double height){
        return  ((2*width)+(2*height));
    }
    public static void main(String [] args){
        Scanner input = new Scanner(System.in);
        System.out.println("Please Enter rectangle height: ");
        double height = input.nextDouble();
        System.out.println("Please Enter rectangle width: ");
        double width = input.nextDouble();
        System.out.println("The area of rectangle: "+
RectArea(width,height));
        System.out.println("The perimeter of rectangle: "+RectPeri(width,
height));
    }
}
```

3 Question Number 3: About Default Value

```java
package assignment;

class  DefaultValues
{
    static byte b;
    static short s;
    static int i;
    static long l;
    static float f;
    static double d;
    static char c;
    static boolean bl;
    public static void main(String[] args)
    {
        System.out.println("Byte :"+b);
        System.out.println("Short :"+s);
        System.out.println("Int :"+i);
        System.out.println("Long :"+l);
        System.out.println("Float :"+f);
        System.out.println("Double :"+d);
        System.out.println("Char :"+c);
        System.out.println("Boolean :"+bl);
    }
}
```

```java
package assignment;

import java.util.Scanner;

public class Employee {
    public static String name;
    public static double salary;
    public Employee(String name,double salary){
        this.name = name;
        this.salary = salary;
    }
    public void DisplayDetail(){
        System.out.println();System.out.println();System.out.println();
        System.out.println("Employee Detail");
        System.out.println();
        System.out.println("Name is: "+ name);
        System.out.println("Salary is: "+ salary);
    }
}


package assignment;
import java.util.Scanner;
public class Manager extends Employee {
    String dept;
    public Manager(String name, double salary,String department) {
        super(name, salary);
        this.dept = department;
    }
    public void DisplayDetail(){
        System.out.println();
        System.out.println();System.out.println();
        System.out.println("Manager Profile");
        System.out.println();
        System.out.println("Manager Name is: "+name);
        System.out.println("Manager Department is: "+dept);
        System.out.println("Manager Salary is:"+salary);
    }
    public static void main(String [] args){
        Scanner input = new Scanner(System.in);
        System.out.println("Enter Manager Name: ");
        String name = input.nextLine();
        System.out.println("Enter Manager Departmet: ");
        String department = input.nextLine();
        System.out.println("Enter Manager Salary: ");
        double salary = input.nextDouble();
        Manager manager = new Manager(name, salary, department);
        manager.DisplayDetail();
        Employee emp = new Employee(name, salary);
        emp.DisplayDetail();

    }
}
```