

OOJ LAB WEEK 5- EXTRA QUESTIONS

Program and Output

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Program 1-

```
import java.util.Scanner;

class Employee{

    int empid;

    String empname;

    int empnohrs;

    int empbasic;

    double emphra;

    double empda;

    double empit;

    double empgross;


    void accept()

    {

        Scanner xx=new Scanner(System.in);

        System.out.println("Enter details-");

        System.out.println("Enter ID:");

        empid=xx.nextInt();

        System.out.println("Enter Name:");

        empname=xx.next();

        System.out.println("Enter number of hours:");
```

```

empnohrs=xx.nextInt();

System.out.println("Enter basic salary:");

empbasic=xx.nextInt();

System.out.println("Enter HRA in %");

emphra=xx.nextDouble();

System.out.println("Enter DA in %");

empda=xx.nextDouble();

System.out.println("Enter IT in %");

empit=xx.nextDouble();
}

```

```

double salary()
{
    empgross=empbasic+(empbasic*(emphra/100))+(empbasic*(empda/100))-
(empbasic*(empit/100));
    return empgross;
}

```

```

void overtime()
{
    int x;
    if(empnohrs>200){
        x=empnohrs-200;
        x*=100;

        System.out.println("additional payment= "+x+"\n gross salary after addition= "+(empgross+x));
    }
    else if(empnohrs<200){
        x=200-empnohrs;

```

```

        x*=100;

        System.out.println("reduced payment= "+x+"\n gross salary after reduction= "+(empgross-x));

    }

}

}

```

```

class Main{

    public static void main(String ss[]){

        Employee e1=new Employee();

        e1.accept();

        e1.salary();

        System.out.println("The gross salary is= "+e1.empgross);

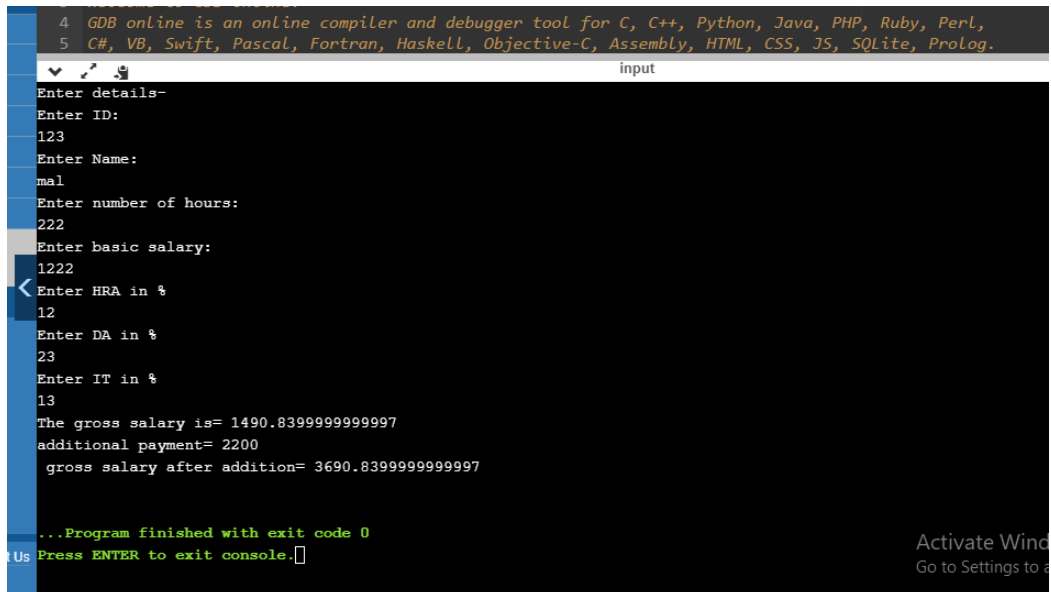
        e1.overtime();

    }

}

```

Output-



```

4 GDB online is an online compiler and debugger tool for C, C++, Python, Java, PHP, Ruby, Perl,
5 C#, VB, Swift, Pascal, Fortran, Haskell, Objective-C, Assembly, HTML, CSS, JS, SQLite, Prolog.
input
Enter details-
Enter ID:
123
Enter Name:
mal
Enter number of hours:
222
Enter basic salary:
1222
Enter HRA in %
12
Enter DA in %
23
Enter IT in %
13
The gross salary is= 1490.8399999999997
additional payment= 2200
gross salary after addition= 3690.8399999999997

...Program finished with exit code 0
Us Press ENTER to exit console.

```

```
5 C#, VB, Swift, Pascal, Fortran, Haskell, Objective-C, Assembly, HTML, CSS, JS, SQLite, Pro
input
Enter details-
Enter ID:
124
Enter Name:
gen
Enter number of hours:
123
Enter basic salary:
23445
Enter HRA in %
12
Enter DA in %
3
Enter IT in %
4
The gross salary is= 26023.95
reduced payment= 7700
gross salary after reduction= 18323.95

...Program finished with exit code 0
Press ENTER to exit console.
```

Program 2-

```
import java.util.Scanner;

class Age {

    String name;

    int year;

    int month;

    void accept()

    {

        Scanner xx=new Scanner(System.in);

        System.out.println("Enetr name-");

        name=xx.next();

        System.out.println("Enter year-");

        year=xx.nextInt();

        System.out.println("Enter month:");

        month=xx.nextInt();

    }

}
```

```

    }

    int add(){
        int sum=0;
        sum=month+(year*12);
        return sum;
    }

    String oname(){
        return name;
    }
}

class Main{
    public static void main(String ss[]){
        Age n1=new Age();
        n1.accept();
        n1.add();
        n1.oname();
        Age n2=new Age();
        n2.accept();
        n2.add();
        n2.oname();
        if(n1.add()>n2.add())
        {
            System.out.printf(n1.oname()+" is older");
        }
        else if(n2.add()>n1.add())
        {
            System.out.println(n2.oname()+" is older");
        }
    }
}

```

}

}

Output-

```
31 }  
input  
Enetr name-  
mal  
Enter year-  
14  
Enter month:  
6  
Enetr name-  
jen  
Enter year-  
16  
Enter month:  
5  
jen is older  
  
...Program finished with exit code 0  
Press ENTER to exit console.
```

```
31 }  
input  
Enetr name-  
sel  
Enter year-  
32  
Enter month:  
4  
Enetr name-  
sam  
Enter year-  
24  
Enter month:  
5  
sel is older  
  
...Program finished with exit code 0  
Press ENTER to exit console.
```