

## Lab-5

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**Aim:- WAP to study Using arithmetic operators in Prolog.**

### 1. Code:-

domains

predicates

go

clauses

go:-

```
write("Enter name of student:-"),readln(N),nl,
write("Enter roll number of student:-"),readln(RN),nl,
write("Enter subject information for 6 subjects:-"),nl,
write("Subject1 name:-"),readln(S1),nl,
write("Max marks for subject1:-"),readln(MM1),nl,
write("Obtain marks:-"),readln(M1),nl,
write("Subject2 name:-"),readln(S2),nl,
write("Max marks for subject2:-"),readln(MM2),nl,
write("Obtain marks:-"),readln(M2),nl,
write("Subject3 name:-"),readln(S3),nl,
write("Max marks for subject3:-"),readln(MM3),nl,
write("Obtain marks:-"),readln(M3),nl,
write("Subject4 name:-"),readln(S4),nl,
write("Max marks for subject4:-"),readln(MM4),nl,
write("Obtain marks:-"),readln(M4),nl,
write("Subject5 name:-"),readln(S5),nl,
```

```

write("Max marks for subject5:-"),readint(MM5),nl,
write("Obtain marks:-"),readint(M5),nl,
write("Subject6 name:-"),readln(S6),nl,
write("Max marks for subject6:-"),readint(MM6),nl,
write("Obtain marks:-"),readint(M6),nl,
OOM = M1 + M2 + M3 + M4 + M5 + M6,
MMM=MM1+MM2+MM3+MM4+MM5+MM6,
PRR=OOM/MMM*100,
write("*****RESULT*****"),nl,
write("Student name:-"),write(N),nl,
write("Roll no - "),write(RN),nl,
write("Subject Name- "),write(S1),write(" "),write(S2),write(" "),write(S3),write("
"),write(S4),write(" "),write(S5),write(" "),write(S6),write(" "),nl,
write("Total marks-"),write(MMM),nl,
write("Total obtain marks -"),write(OOM),nl,
write("%Percentage : "),write(PRR).

```

## 2. Output:-

```
DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program: ...
Files Edit Run Compile Options Setup
Dialog
Yes
Goal: go
Enter name of student:-Divyesh
Enter roll number of student:-21
Enter subject information for 6 subjects:-
Subject1 name:-DAA
Max marks for subject1:-36
Obtain marks:-27
Subject2 name:-DSA
Max marks for subject2:-36
Obtain marks:-29
Subject3 name:-_
Subject3 name:-KS
Max marks for subject3:-36
Obtain marks:-29
Subject4 name:-DAIE
Max marks for subject4:-36
Obtain marks:-31
Subject5 name:-ECES
Max marks for subject5:-36
Obtain marks:-31
Subject6 name:-_
Subject6 name:-AMP
Max marks for subject6:-36
Obtain marks:-28
*****RESULT*****
Student name:-Divyesh
Roll no - 21
Subject Name- DAA DSA KS DAIE ECES AMP
Total marks-216
Total obtain marks -175
%Percentage : 81.018518519Yes
Goal:
```