```
* SAS Loops;
/*
In SAS looping is done by using DO statement. It is also called DO Loop.
Given below is the general form of a DO loop statements in SAS.
*/

* DO Index;
/*
This DO Index loop uses a index variable for its start and end value.
The SAS statements are repeatedly executed until the final value of
the index variable is reached.
Syntax:
DO indexvariable = initialvalue to finalvalue ;
. . . SAS statements . . . ;
END;

*/

data mydata;
    summ = 0;
    Do var = 0 to 5;
        summ = summ+var;
    end;
proc print data = mydata;
run;

* DO WHILE;
/*
DO WHILE loop uses a WHILE condition. The SAS statements are repeatedly executed until the
while condition becomes false.
Syntax:
DO WHILE (variable  condition);
. . . SAS statements . . . ;
END;
*/
data mydata;
    summ = 0;
    var = 0;
    DO WHILE(var < 6);
        summ = summ+var;
        var+=1
    end;
proc print data = mydata;
run;

*DO UNTIL;
/*
DO UNTIL loop uses a UNTIL condition.
The SAS statements are repeatedly executed till the UNTIL condition becomes TRUE.
Syntax:
DO UNTIl (variable  condition);
. . . SAS statements . . . ;
END;
*/
DATA MYDATA;
SUM = 0;
VAR = 1;
DO UNTIL(VAR>5);
    SUM = SUM+VAR;
    VAR+2;
END;
    PROC PRINT;
    RUN;
```