

The Case Statement

Case Statement

```
program sample;  
var classes: integer;  
begin  
    write('Enter number of classes: ');  
    readln(classes);  
    case classes of  
        4: writeln('Challenging.');        3: writeln('Just right.');        2,1: writeln('Light load.')    end  
end.
```

Case Statement

```
program sample;  
var grade: char;  
begin  
    write('Enter your grade: ');  
    readln(grade);  
    case grade of  
        'A': writeln('Excellent');  
        'B': writeln('Very good');  
        'C': writeln('Satisfactory');  
        'D', 'F': writeln('Ouch')  
    end { of case statement }  
end.
```

```
program sample;  
var year: integer;
```

```
procedure freshman;  
begin  
    writeln('Hello.');
```

writeln('Here is a list of freshman
classes.');

...

```
end;
```

```
{ sophomore, junior, senior proc's similar}
```

```
begin  
    writeln( 'Enter year, 1-4: ');  
    readln( year );  
    case year of  
        1: freshman;  
        2: sophomore;  
        3: junior;  
        4: senior  
    end  
end.  
end.
```

```
program roulette;  
var num, bet, amount, choice: integer;  
win: boolean;
```

```
{ procedures not shown here }
```

```
begin
```

```
  { create a random number }
```

```
  write(' enter bet: ');
```

```
  readln( bet );
```

```
  Menu( choice );
```

```
  case choice of
```

```
    1: even(num,bet,win, amount);
```

```
    2: odd(num,bet,win,amount);
```

```
    3: hi(num,bet,win,amount);
```

```
    4: low(num,bet,win,amount);
```

```
    5: first12(num,bet,win,amount);
```

```
    6: second12(num,bet,win,amount);
```

```
    7: third12(num,bet,win,amount)
```

```
  end;
```

```
  { print win-or-lose message }
```

```
end.
```