

Generate intermediate code for the following parts of Pascal programs:

1.

```
radius = 3;  
area = PI*radius*radius;  
length = PI*radius*2;
```

2.

```
size = 5;  
area_c = side*side;  
perim_c = size+size+size+size;  
area_t = size*size/2;  
perim_t = size+size+size;
```

3.

```
if (a>b) and (b>c) then  
  begin  
    min := c;  
    max := a;  
  end
```

4.

```
if a>b then  
  begin  
    if b>c then  
      begin  
        max := a;  
        med := b;  
        min := c;  
      end  
    else
```

```
  if a>c then  
    begin  
      max := a;  
      med := c;  
      min := b;  
    end  
  else  
    begin  
      max := c;  
      med := a;  
      min := b;  
    end  
  end  
end
```

5.

```
case month of  
  2: days := 28;  
  4, 6, 9, 11: days := 30;  
  1, 3, 5, 7, 8, 10, 12: days := 31;
```

end;

6.

```
while n>0 do  
  begin  
    fact := fact*n;  
    n := n-1;  
  end;
```