

```

1. x <-24
2. if(x%%2==0){
3.   cat(x," is an even number")
4. }
5. if(x%%2!=0){
6.   cat(x," is an odd number")
7. }

```

Nested if else statement

```

1. year
2. 1 = 2011
3. if(year1 %% 4 == 0) {
4.   if(year1 %% 100 == 0) {
5.     if(year1 %% 400 == 0) {
6.       cat(year,"is a leap year")
7.     } else {
8.       cat(year,"is not a leap year")
9.     }
10.  } else {
11.    cat(year,"is a leap year")
12.  }
13. } else {
14. cat(year,"is not a leap year")
15. }

```

```

1. a<- 'u'
2. if(a=='a' || a=='e' || a=='i' || a=='o' || a=='u' || a=='A' || a=='E' || a=='I' || a=='O' || a=='U')
   ){
3.   cat("character is a vowel\n")
4. }else{
5.   cat("character is a constant")
6. }

```

```
7. cat("character is =",a)
8. }
9. a<- 'u'
10. if(a=='a' || a=='e' || a=='i' || a=='o' || a=='u' || a=='A' || a=='E' || a=='I' || a=='O' || a=='U'
    ){
11.   cat("character is a vowel\n")
12. }else{
13.   cat("character is a constant")
14. }
15. cat("character is =",a)
16. }
```