

Corrigés Bac pratique Informatique

Sections Scientifiques (math, sciences et technique)

22 mai 2008 9h

```
program BAC_22Mai2008_9h;
```

```
uses wincrt;
```

```
procedure saisie(var n:longint);
```

```
begin
```

```
repeat
```

```
    writeln('donner n');
```

```
    readln(n);
```

```
until n>=9 ;
```

```
end;
```

```
function divisible(var n:longint):integer;
```

```
var ch:string; e,x,i,s:integer;
```

```
begin
```

```
str(n,ch);
```

```
val(ch[1],x,e);
```

```
s:=x;
```

```
for i:=2 to length(ch) do
```

```
    begin
```

```
        val(ch[i],x,e) ;
```

```
        s:=s+x;
```

```
        if s>=9 then
```

```
            repeat
```

```
                s:=s-9;
```

```
            until s<9;
```

```
        end;
```

```
divisible:=s;
```

```
end;
```

```
{***** Programme Principal *****}
```

```
var n:longint;
```

```
begin
```

```
saisie(n);
```

```
if divisible(n)=0 then writeln(n,' est divisible par car ',n,'=9*',n div 9)
```

```
else writeln(n,' n'est pas divisible par 9 ');
```

```
end.
```

Correction proposée par
Sonia SAHLI

Corrigés Bac pratique Informatique

Sections Scientifiques (math, sciences et technique)

22 mai 2008 10h30

```
Program Bac22_mai_2008_10h30;
```

```
uses wincrt;
```

```
procedure saisie (var n:longint);
```

```
begin
```

```
  repeat
```

```
    write('donner n:');
```

```
    readln(n);
```

```
  until n>=100;
```

```
end;
```

```
function somme (n:longint):integer;
```

```
var i,s,x,e:integer;
```

```
  ch:string;
```

```
begin
```

```
  str(n,ch);
```

```
  s:=0;
```

```
  for i:=1 to length(ch) do
```

```
    begin
```

```
      val(ch[i],x,e);
```

```
      s:=s+x
```

```
    end;
```

```
  somme:=s;
```

```
end;
```

```
function code(n:longint):string;
```

```
var ch,cd,ch1:string;  s:integer;
```

```
begin
```

```
  str(n,ch);
```

```
  repeat
```

```
    s:=somme(n);
```

```
    n:=s;
```

```
    writeln('s=',s);
```

```
  until(s in [1..9]);
```

```
  str(s,ch1);
```

```
  cd:=concat(ch1,ch);
```

```
  code:=cd;
```

Correction proposée par
Sonia SAHLI

end;

VAR

n:longint;

c:string;

{*** le programme principal *****}**

begin

saisie(n);

c:=code(n);

writeln('le code est : ',c);

end.