

<b>Enseignant : HADHRI Aymen</b>  <b>Lycée : Abou El Kacem Chebbi</b> <b>**Chebba**Mahdia</b>	<b>CORRECTION EPREUVE PRATIQUE</b> <b>D'INFORMATIQUE</b>	
	<b>Section</b>	<b>Sciences de l'informatique</b> <b>SI</b>
	<b>DATE : 21/05/2016</b>	
	<b>DUREE : 1H 30M</b>	

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program bacSI2016;
uses wincrt;
var n:integer;
procedure saisir (var n:integer);
begin
repeat
write('n=');
readln(n);
until (n in [2..5]);
end;
function premier (e:integer):boolean;
var i:integer;
ok:boolean;
begin
if(e=1)then
premier:=false
else
begin
ok:=true;
for i:=2 to e-1 do
if(e mod i=0)then
ok:=false;
premier:=ok;
end;
end;
function factoriel (e:integer):longint;
var i:integer;
f:longint;
begin
f:=1;
for i:=1 to e do
f:=f*i;
factoriel:=f;
end;
procedure premierfact (n:integer);
var k,i:integer;
begin
k:=0;
i:=1;
writeln('les ',n,' premiers factoriels sont:');
repeat
i:=i+1;
if(premier(factoriel(i)+1))then
begin
k:=k+1;
writeln(factoriel(i)+1);

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end
else if(premier(factoriel(i)-1))then
begin
k:=k+1;
writeln(factoriel(i)-1);
end;
until(k=n);
end;
procedure premierprimo (n:integer);
var T :array[1..100]of integer;{T:tableau des
entiers premiers (2,3,5,7,11,13,...)}
k,i,j:integer;
p:longint;
begin
j:=0;
for i:=1 to 100 do
if(premier(i))then
begin
j:=j+1;
t[j]:=i;
end;
p:=1;
i:=0;
k:=0;
writeln('les ',n,' premiers primoriels sont:');
repeat
i:=i+1;
p:=p*t[i];
if(premier(p+1))then
begin
k:=k+1;
writeln(p+1);
end
else if(premier(p-1))then
begin
k:=k+1;
writeln(p-1);
end;
until(k=n);
end;
begin
saisir(n);
premierfact(n);
premierprimo(n);
end.

```