

PARTIE 1 : POO

1.

```
import java.util.*;
public class Commande{
    private int NumCommande ;
    private Date DateCommande ;
    private String Fournisseure ;

    public Commande(int NumCommande, Date DateCommande,String Fournisseure )
    {
        this.NumCommande= NumCommande ;
        this.DateCommande= DateCommande ;
        this.Fournisseure= Fournisseure ;
    }

    public int getNumCommande( ) {return this.NumCommande ;}

    public Date getDateCommande( ) { return this.DateCommande;}

    public String getFournisseur( ){ return this.Fournisseure;}

    public void setNumCommande(int NumCommande)
    { this.NumCommande = NumCommande; }

    public void setDateCommande (Date DateCommande)
    { this.DateCommande = DateCommande ; }

    public void setFournisseur (String Fournisseure){
        this.Fournisseure = Fournisseure ;}

    public String toString() {

        return "Num commande: "+this.NumCommande+ "\t Date :"+this.DateCommande+ "\t
        Fournisseure : "+ this.Fournisseure ;
    }

    public boolean equals(Object obj)
    {Commande cmd=(Commande)obj ;
    return (this.NumCommande==cmd.NumCommande ) ;
    } }
```

2. Il faut que la classe implémente l'interface Clonable.

3. `import java.util.*;`

```

public class Client {
private String codeClient ;
private String NomClient ;
private String AdrClient ;
private Vector ListCommande;

public Client(String codeClient , String NomClient,String AdrClient )
{
this.codeClient= codeClient;
this.NomClient= NomClient;
this. AdrClient= AdrClient ;
ListCommande=new Vector() ;
}

public void EnregistrerCommande(Commande cmd ) {
ListCommande.add(cmd) ;}

public void SupprimerCommande(int NumCommande ) {
int pos = ListCommande.indexOf(new Commande(NumCommande, null, null)) ;
if (pos== -1) return ;
ListCommande.remove(pos); }

public String toString( ) {
String mes ="";
mes+= "Code client: "+this.codeClient+ "\t Nom : "+this.NomClient+ "\t
Adresse : "+this.AdrClient+"\n Liste des commandes :";
for(int i =0 ;i< this.ListCommande.size() ;i++)
{
Commande cl=(Commande) this.ListCommande.get(i);
mes+= cl.toString();
}
return mes;
} }

```

```

4. public class ClientFidel extends Client{
private String codeFidelite ;
private float TauxReduction ;

public ClientFidel(String codeClient , String NomClient,String
AdrClient,String codeFidelite,float TauxReduction )
{ super(codeClient , NomClient, AdrClient ) ;
this.codeFidelite= codeFidelite ;
this.TauxReduction= TauxReduction; }

public String toString( ) {
return super.toString()+"\n code Fidelité: "+this.codeFidelite + "\t
TauxReduction: "+this.TauxReduction;
} }

```

```

5. import java.util.*;

```

```

public class test{
public static void main(String[] args) {
@SuppressWarnings("deprecation")
Commande cmd1 =new Commande(1 ,new Date("12/1/2013"), "PC Manager" );
@SuppressWarnings("deprecation")
Commande cmd2 =new Commande(2 ,new Date("4/15/2013"),"Assurance" );
Client c11 = new Client("C1" ,"Rifki","Rabat");
Client c12 = new ClientFidel("C2" ,"Monaim","Fes","CLF1",10 );
c11.EnregistrerCommande(cmd1);
c12.EnregistrerCommande(cmd2);
System.out.println(c11);
System.out.println(c12);
} }

```

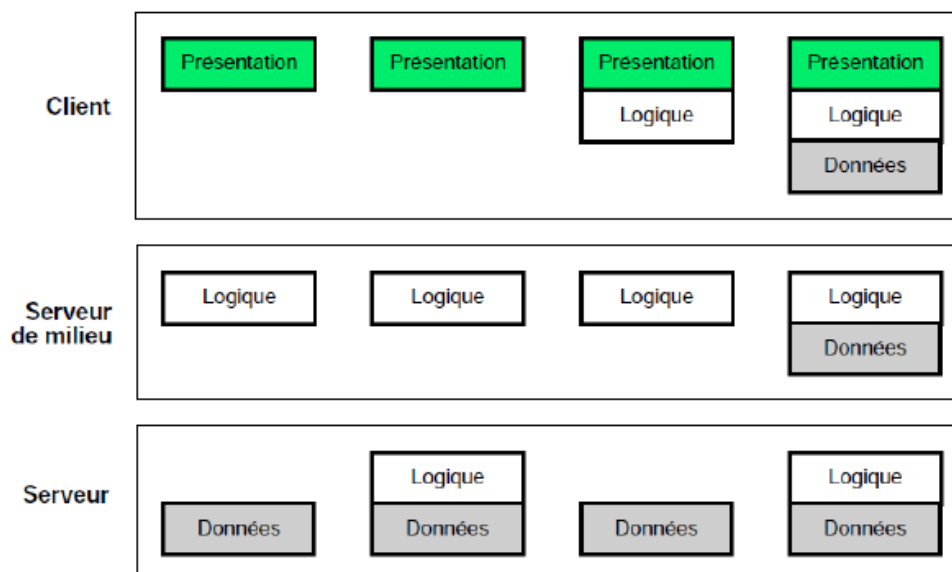
PARTIE2 : DEVELOPPEMENT D'APPLICATION CLIENT/SERVEUR (JAVA)

5- Réponses au question de cours :

e- 3-tier.

f-

Modèle de Gartner pour les systèmes à trois niveaux (3-tiers) :



g- Canal de communication. TCP/IP : mode connecté, UDP : mode non connecté

h- Complément de services du réseau permettant la réalisation du dialogue entre les différents composants d'une application client/serveur.

2-PROGRAMME CLIENT :

```
import java.net.*;
```

```
import java.util.*;
```

```

import java.io.*;
public class client {
public static void main(String[] args) {
    Socket soc=null;
    try {
        soc = new Socket("112.1.1.1", 10000);
    }
    catch(Exception e)
        { System.out.println("erreur de connexion"); }
    String T[] = new String[100] ;
    BufferedReader clavier = new BufferedReader(new InputStreamReader(System.in));
    try{
    BufferedReader in = new BufferedReader(new InputStreamReader(soc.getInputStream()));
    PrintStream out = new PrintStream(new BufferedOutputStream(soc.getOutputStream()));
    System.out.print("Nom du fichier : ");
    out.println(clavier.readLine());
    out.flush();
    String str;
    int i=0;
    do{
        str= in.readLine();
        T[i]=str;
        i++;
    }
    while(str!=null);
    System.out.print(i);
    for (int j=0;j<i;j++) System.out.print(T[j]);
    soc.close();
    }
    catch(Exception e)
    {e.printStackTrace(); }

}
}

```

3-PROGRAMME SERVEUR :

```

import java.net.*;
import java.io.*;
public class serveur {

    public static void main(String[] args) {
        ServerSocket s=null;
        Socket service;

```

```

        String nomfichier,line;
        try { s = new ServerSocket(10000);
        service = s.accept();
        BufferedReader in = new BufferedReader(new
InputStreamReader(service.getInputStream()));
        PrintStream out = new PrintStream(new
BufferedOutputStream(service.getOutputStream()));
        nomfichier = in.readLine();
        BufferedReader br = new BufferedReader(new FileReader(new
File(nomfichier)));

        while ((line=br.readLine())!=null){
        out.println(line);
        out.flush();}
        br.close();
        service.close();
        s.close();
        }
        catch(Exception e)
        {e.printStackTrace(); }

    }
}

```

4. utilisation des threads.

PARTIE3 : ENVIRONNEMENT DE DEVELOPPEMENT INTEGRE (VB.NET).

1.

```

Public cn As SqlConnection
Public dst As New DataSet()
Public adpt1 As SqlDataAdapter
Public adpt2 As SqlDataAdapter
Public adpt3 As SqlDataAdapter
Public adpt4 As SqlDataAdapter

Sub Connecter()
    Try
        cn = New SqlConnection("Initial Catalog=mabase;Data
source=Serveur;Integrated Security=true;")
        Catch ex As Exception
            MessageBox.Show("erreur de connexion !!")
        Exit Sub
    End Try

```

2.

```

adpt1 = New SqlDataAdapter("select * from Commande", cn)
adpt1.Fill(dst, "Commande")
adpt2 = New SqlDataAdapter("select * from Produit", cn)
adpt2.Fill(dst, "Produit")
adpt3 = New SqlDataAdapter("select * from LigneCommande", cn)
adpt3.Fill(dst, "LigneCommande")

```

3.

```

Me.cmbCommande.DisplayMember = "NumCommande"
Me.cmbCommande.ValueMember = "NumCommande"
Me.cmbCommande.DataSource = dst.Tables(0)

```

4.

```

adpt4 = New SqlDataAdapter("SELECT  P.CodeProduit,L.
qteCommande, P.Designation , P.PrixUnitaire from Produit P,
Commande C , Ligne de commande L where C.NumCommande=
L.NumCommande ans P.CodeProduit=L.CodeProduit ", cn)

adpt4.Fill(dst, "Listing")

```

5. le code du bouton Ajouter

```

Private sub Ajouter_Click(.....)
Dim cmd as Integer = cmbCommande.SelectedValue
Dim prd as String = cmbProduits.SelectedValue
Dim qte as integer
try
    qte=Integer.Parse(txtQte.text)
if qte<=0 then new Throw new Exception()
catch
    MessageBox.show ("Quantité invalide")
End try
Dim exp As String = "CodeProduit = \' " & prd & \' \' and
NumCommande = \' " & cmd
Dim T() As DataRow
T = dst.Tables(2).Select(exp)
If T.Length <> 0 Then
    MessageBox.show ("Commande deja faite")
Exit sub
End If
Dim L As DataRow = dst.Tables(2).NewRow
T(0) = cmd
T(1) = prd

```

```

        T(2) = pte
        dst.Tables(2).Rows.Add(T)
Dim ObjetCommandBuilder As New SqlCommandBuilder(adpt3)
    adpt3.Update(dst, "Etudiant")
dst.clear()

adpt1.Fill(dst, "Commande")
adpt2.Fill(dst, "Produit")
adpt3.Fill(dst, "LigneCommande")
adpt4.Fill(dst, "Listing")

```

6. le code du bouton Rechercher

```

Private sub Rechercher_click(.....)
Dim num as integer=val(input("Entrer num de commande à
rechercher"))

Dim dv As New DataView()
dv.Table=dst.Tables(3)
v.RowFilter = "NumCommande =" & num.ToString()
liste.DataSource = dv
End sub

```

1.

```

<html>
<head><title>Saisissez vos coordonnées</title></head>
<body>
<form action= "<?php echo $_SERVER['PHP_SELF'];?>" method="post">
<fieldset><legend><b>Vos coordonnées</b></legend>
<table>
<tr>
    <td>Nom : </td>
    <td><input type="text" name="nom" size="40" maxlength="30"/></td>
</tr>
<tr>
    <td>Prénom : </td>
    <td><input type="text" name="prenom"
size="40"?maxlength="30"/></td>
</tr>
<tr>
    <td>Age : </td>
    <td><input type="text" name="age" size="40" maxlength="2"/></td>
</tr>
<tr>
    <td>Adresse : </td>
    <td><input type="text" name="adresse" size="40"
maxlength="60"/></td>
</tr>
<tr>
    <td>Ville : </td>
    <td><input type="text" name="ville" size="40"
maxlength="40"/></td>
</tr>
<tr>
    <td>Mail : </td>

```



```

        <td><input type="text" name="mail" size="40"
maxlength="50"/></td>
</tr>
<tr>
<td><input type="reset" value=" Effacer "></td>
<td><input type="submit" value=" Envoyer "></td>
</tr>
</table></fieldset></form>

```

2.

(on peut utiliser la fonction `ereg ('@', $email)` ou la fonction `split`)

<body>

<h1>Page de test pour JavaScript</h1>

<script language="javascript" type="text/javascript">

function validation()

{

Var chaine=document.form.email.value ;

Var v = chaine.indexOf('@',1) ;

If((v>0)&&(v<chaine.lenght-1))

{

Alert(chaine + 'est un @email valide') ;

}

Else

Alert(chaine + 'email non valide') ;

if(document.frmForm.pseudo.value == "" ||
document.frmForm.pseudo.value == null)

alert("Veuillez introduire une valeur dans le champ Pseudo
!")

else if(document.frmForm.motdepasse.value == "" ||
document.frmForm.motdepasse.value == null)

alert("Veuillez introduire une valeur dans les champs
vides!")

else

```

document.location.href= "meme page"

    }

</script>

<form name="frmForm">

Pseudo:<input type="text" name="pseudo">

Mot de passé :<input type="password" name="motdepasse">


<input type="submit" onclick="checkInput();return(false)">


</form>

```

3.

```

<?php
$connexion=mysql_connect("localhost","root","");
if($connexion)
    echo"connexion réussie";
else
    echo"connexion impossible";
$base=mysql_select_db("magasin");
if($base)
    echo"base de données sélectionnée";
else
    echo"impossible de selectionn la base magasin";

```

4.

```

if(!empty($_POST['nom'])&&!empty($_POST['prenom'])&&!empty($_POST['age'])&&!empty($_POST['adresse'])&&!empty($_POST['ville'])&&!empty($_POST['mail'])) {
$id_client="\N";
$nom=$_POST['nom'];
$prenom=$_POST['prenom'];
$age=$_POST['age'];
$adresse=$_POST['adresse'];

```

```

$ville=$_POST['ville'];
$mail=$_POST['mail'];
$query="INSERT INTO client
VALUES('$id_client','$nom','$prenom','$age','$adresse','$ville','$mail
')";
$result=mysql_query($query);
if(!$result)
echo"<h2>Erreur d
insertion\n".mysql_errno().":".mysql_error()."</h2>";
else
echo"<script language='Javascript'>";
echo"alert('vous etes enregistré votre numéro de client
est:".mysql_insert_id()."')</script>";
}
else
echo"formulaireincomplet";
?>
</body></html>

```

5.

```

< ?php
$file=fopen("fichier.txt" , "a+") ;
$nom=$_POST['nom'] ;
...
$str=$nom. " ".$prenom... ;
    fputs($file,$str) ;
    fclose($file) ;
?>

```