ils architecture men pu What are applels? Explain an example program. - Applels an small applications that are accessed on an Internet server, transferred over the Internet automatically installed, and un as part of downers Applet Architecture. an applet i a mindon based program First, appells an event driven, an appellvenils until an went ours. - Second, the we initials interaction with an appell. - Wel interacts with applets the way he wants. These interactions are sent to the applet as event to which the appletrunt respond. Example Projeam: import java ant . \* ; imp or yava applet. \*; / \* Capplet vode = "Appleishe" width = 300 heigh=10 </applit 7 \*/ public dass Appletshel exends Applet & public void mit) q 1 inhialisation

public void grant () {

4 Start or resume execution public vod paini ( Graphice g) ?

Hedrisplay contents of midow 12) you are parameters passed to applet. Give example to the applet. The allons us to pass garamelin To return a parameter, ne get Parameter () method
the form of string object.

The form of string object. to convert their string representation into their intends formale. + taample program import jour and . \*; impor java applet. \*; / « capplet ude = " Param Dun" wialn = 500 heigh = 10 pl 1; < param name = portsize value = 14)

 param hame = auonht Frakud value = lone) public class farambens extends Applet E String fortivane; in follinge; post leading; bottean active i public void cract () { String param; font Name = getParameter (" Font Nam"); if (fort Name = = NULL) font Nume = " Not famed"; paran = get larameur (" tont size); if ( Pas am != Nutt) fortrige = Integer passe but y asam); ele fortsige:0; catch (Numerformattacy bon e) { But sine = -1; param = get Parameter (" bag " leady"); my ?

if ( paran ! = null) leading = Float parse float (paran); tatch (Nambr Fornat Exception e) { paran = get Parametts (" awant trabled"); if (param!= null) active: Boolean. parse Boolean (par am); public void paint (Graph 9) ? g. draw yring (" Fort name" + Fort ware, 0,10); g draw Shing (" Fort Size"+ Fore size, 0,20); q. draw string ( leading t leading , o, 42); of dean ship ("Account Active" + active, o, so ); B) what write an applet program to display a banner mich seroll a new age bonizontally. + inport java, aut. \*; import java. applet. \*; / + < appellede = " Sample rance " = width = 300, heigh = 30)

```
</ri>
public clau lample Banner extende Applels indemen
Comase &
  String mis ? = " A simple barner";
  threat t = null 1
   ine state;
  boolean Stop Flag;
  public void init-() {
    SU-Backgronn ( Woor cyan);
    at forefround ( woor ned );
 public void dart () {
     t = new Mread (min);
       stop flag = falle;
       t. Stan ();
     public void run () {
      Char ch;
    for ( i i ) {
 try & repaire ();
       theread. Skep (200);
       ch = meg. that At (0);
      Meg z meg. rulestring (meg. length ());
      meg + = ch;
```

of ( Stoy Flay ) break; Julin (Interrepulso Exceptione) 33 fullic void Nop () { of flag 2 lone; public void pani- (graphing) {
g. dran string (msg, 50, 30); (4). List and explain predefined stream in java lang parkage defines a class called system which encapillals ceveral aspects of the sun-time environment. system out refers to the standard output stream by defaul, his is the worsole. System in refers to standard input, which is the key board by defaul.

Syeles er enfer to the standard error stream which also is the cone se by default—

There streams may be redirected to any compatible 110 devices.

> Sydem. in is an object of type Engut Stream. ) > Sydem. out and hyden. en an objects of type laint Gream.
To. Write a program to test list The contents of a sperieties directory.
public dans body but implements & elemone filler { String ext;
pathic Only text (string ext) {
Mrs. ext = 4. 4 md;  2  public boolean acept (file dir, chring name)  2
netur name = ends min (est); 3  7  1/ Directory of HTMI files.
imp ort java io; clau Productionly &
public static void main (string anys (1)) {  string dirname = "/yava";
File have filler only a new only Ext (4 html?);  thing S[] = fl. list (only);  for (int i=0; i < 5. length, i+t) {  S. OP. (S[i]);  } 3 3

Write program to copy one file to another using sylt orighted thram class is java. 10. pachage import java. io. \*; public class Byte Copy File. public static void main (String args []) throws 20 Exception File Engut Stream. fin = well; File Output Stream font = nell i tin = new file Enput Stream ( home | student | 161610157 | wekg/ Text File") ; font = new File Output ( " | home | student / 161610184/ week 9 | Text Filelopy 4); une plisize : frin available (); Il returns the remaining number of types in the file that can be read. S. O. P (4 File size in tytes: + ple size); int. Chi while ( (th= fin. read ())! =- 1) ? pont. write (ch); S.D. r ("File topied successfully");

from close ();  part close ();	
3.	
17. How are smings better	better than ANT ?
Smings	ANT
(i) They are platform -	they are plat to un dependent.
(ii) Enringe component are Light-meight.	Aut components are heavy weight.
in) Supports pluggable books and feel.	doesn't suppor pluggable book, and feet.
(v) provides were powerful components such as taste, with southques, els.	provides les components than smings.
It supports MVC.	yt dour pollow Mre.

18. Write a sning application to display a newage in a pame. import javan. sming. \* i import java. aut. \* public class Java Example y vidlay ont extends I Frame Private JButton Btn One = new JButton ("Btn One"); private J Button BinTno = new JButton ("Bin Ino"); private I'B actor Bhothere = new JButton ("Bto Tusce"); private JButton BM Four = new JButton (" BM Four"); private Jbuton Bombre = new J Buton (" Bon Fire); private Grid layout layout = new Gridlayout (3,2,(1x); public Jara Example (prid byont () set Su (200, 100); St layout (layout); add (Bhone)i add (BhTno)i add (Bhithau); add [ Mh Form ) i add (BMFIve)i set us the (me); p.s. v. m (string [1 augs) ion at rample Gridlayout frame: new Jam Example Gridlagous (),