(11)

1+2 When to use Interface and when to abstract chun. Develop a stony and white rates to explain An! Lets developing an online payment system that hardles multiple pyment methods such as credit cound pay ral and upp +All payment method must support pay (amount). this In common action, but now its imperented rander. Some purment methods com optionally support result.

but not at all thethe am optional behaviour.

Perign approach! (1) Use and intere refundable for pyment trak can be refunded. Its not application to all pey ue an abstract application to all p

a no ma [ feet to ] you

odel Interface reformadable ? void rating (double amount) alakotraut dan cresi trayment & String and Number (12 100) and parment (string cand number) & cand Number = cand Hunser; void validate card () § system. out printing (" ralidating cand" + cound number) pay (double Removet) class visacand payment Cimins and numbers and sopura (cand number); Intender 2 public void pur Course a nound 16 miles (1) Lieu ording Parout de benestate moit of put + amount of worker) clus pay pulpyment implemento retundable 3 public void pay (double amound)? System: out printing (" paid & + amoun ); public vold Return (douste amount) } System. out-polation [" Retorted 1" of amount of "wall 129 Is it the that reinvolving method in an install is somen than abstract class method?

An: No, It is no longer rearringfuely true in motern gava (purt Jora Jt). Interface method calls when Slightly stower in early Jump because of dynamic dispatch but in modern Jum this different this difference in megligible:

3) make a table to summanize the filterence

between a bistouch clair and intentice.

Intenface (md-)	Abomect claus
4) Define a contract for behaviour	1) Provid cluis with sh
es can implement multiple intenface	(2) Only one abstract o
Tanans March) And	blor sider
Anal (constant) on one	A) con have imbance vantable