## SALMAN AHMED KHAN 1916-1043 BSSE (A)

## 0 # 1

Answer: Decause we can not able to find which function will be execute as it can determined at only runtime.

3) If vistual function is present in the class then that class becomes abstract and if a developer fargets to override the virtual function in child class then the child class will also becomes abstract class.

3). We can not make objects of that

3). We can not make objects of that class in which virtual function is created.

0#2

Answer: Java treat method overridding as runtime polymorphism because it can not known at compile time that which function is called, whether parent or child class. It can only be determined

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at runtime execution of program. which is based on the type of object which refer at the calling time of object.

Q#3

3). Overloading

string make; color;

int model;

pulic:

Car () { }.

void Over Car Load (int m)

l model = m; }

Void OverCarLoad (string mk, string c)
{
make = mk;

color = c;

```
ii). Oversiding
 Clars Car &
    string makes colors
public:
     Can () } }
     void seldala (string mk, string col,
                   int md)
        make = mk; color = col;
         model = md;
       cout « " Seldata in Car";
class Sport: public Car {
   public:
         Sport () { }
           seldata (string mk, string col,
         make = mk ; color = col3
         me if ( md < 500)
                  model = md; }
         else
            madel = 100;
```

iii). Vistual function class animal ? public:

Vistual void sound () = 0;
Vistual void food (void)

{ coul << "Animal food"; }

class dog & public animal ?
public:

Void Sound (void)

{ cout << " Dog Bark Loud"; }

void food (void)

{ cout << " Dog set of #!! ?

{ coul << " Dog eats Meat"; }