Rehman:

* Why OOP
* 4 pillars
* Encapsulation ka kia faida jb setters bana dete?
* OCP kia hota
* Abstract factory or factory me kia difference hota
* Join or subquery me difference
* Circular list ka middle nikal do
* IQ Question: 5 bags hain. Sb me 100 beans hain. 4 bags ese hain jsme beans k weights 1g 1g hain. Ek bag esa hai jsme 2g weight k beans hain. Ab aapke pas srf ek digital weight hai or ek chance hai. Find the bag with the heavy beans.

Tanweer (Hardest one):

* Write code in assembly pta nhi konsa code
* How will this code be stored in disk and manipulated esa kuch tha
* Make power set of a set using recursion

Nida:

* Binary tree inversion (mirror image generate krdo)

Rozmin:

* Salam... FAST kesa raha? :P
* 4 pillars
* Overloading or overriding me se konsa static hota or konsa dynamic?
* Overloading or overriding k cases de k pucha k will it work or not?
  + int func(int a); string func(int a); NO
  + int func(int a); string func(string a); YES
  + int func(int a); string func(Integer a); Pta nhi ☹
  + class A { int func(int a); } class B extends A { string func(int a); }
* What is final in java
* Static kia kia hota hai or kia mtlb hota inka? Explain both.
  + Static variable
  + Static function
* Static function sirf static ko kyun access kr skta? Why not non-static?
* Collections use kie hain java me? I said yes. Pucha kon kon se? ArrayList, LinkedList, Stack, Queue, HashMap, HashSet
* Array or linked list ki sb ki insertion, deletion, updation or search ki best or worst case complexities pucheen. Or cases bole k esa krden search k algo ko to kia complexity hojaegi. Linked list me bich me se start kren to search ki complexity kia hojaegi?
* Array ki best case ka mene bola k binary search best hota logn me kr deta. to Code karaya binary search
* Or pucha linked list me binary search kese apply hoga. I told them not possible. Bola doubly list krdun to? I said still no. Array me direct access kr skte ksi bhi index ko directly to jump kr skte… but linked list me pointers srf next k hote or doubly me previous k additional honge. Ek point se srf aage ya piche jump kr skte not list k half pr. Bleah… pta nhi kia likh rhi :D us waqt thik se smjha dia tha bs :p
* Hashmap kia hota? Key value pair implement kese hote?
* Hash code kia hota usme?
* Collision ata to resolve kese hota?
* Database me ek ek join ki type puchi kia hoti hai (self join, inner, outer – full, left, right outer btaya)
* Forgot cross join to wo pucha alag se. Bata dia
* Phr case dia ek… course hai, students hain. Relation bnao donu k bich or query likhne ka bola k fetch all students who are not enrolled in any course (using joins – no subquery).
* Employee table hai with id and salary. Find second highest salary without using top, range, limit, rownum.
* Pucha indexes kia hote pta hain? I said no idea. Srf ek hi cheez pta search efficient k liye use hota Idk what it is actually.
* Electives puche kon kon se parhe hain? I told DP, IPT, IPM, or IDS ICC abhi parh rhi.
* Pucha singleton kia hota? Code karwaya
* Singleton ko as factory implement kr skte? I said it is vice versa. Factory ko as singleton implement krte.
* Factory me agar me chahun k exactly 3 instances bnaun to is it possible? How would you do that?
* Baqi FYP pucha, or projects puche almost all…
* FB me clients hain or server hai. Client (user) koi post pr comment krta to jska post hai uske pas notification generate ka kia process hoga?
* TCP UDP me kia difference hota.
* Video streaming k liye kia use kroge? UDP!
* Exception kia hoti
* Composition, Aggregation, Association explanation
* Abstract vs Interface
* Can an interface be extended
* Abstract me zaruri hai k atleast ek unimplemented function ho?
* Ktni abstract classes se inherit ho skti ek class?
* Ktne interface se inherit ho skti ek class?
* Value type and reference type ka pucha
* Reference type ki memory me working puchi
* Difference between string == and .equals()