```
the program is in user
                               kernel mode. (Q10, please answer the
state of the process, and choose the right mode from the above
options)
      total1 = (t1+t2+t3)*0.1+Project total*0.50 +
Homework total*0.1 + Exam_total*0.3);
-- Event: interrupted due to time quantum expiration \rightarrowQ11, the
state of the process will be changed from ___running__state to ___ready___state, before the transition, the CPU will handle the
timeout and switch to execute another process (context switch)
-- Event: scheduled to run \rightarrow \mathbf{Q12} the state of process will be
changed from ___ready___state to __running__state(context switch)
      total2 = scale the grade (Project total, Homework total, m1, m2,
      if (total1 > total2) total = total1;
      else total = total2;
-- Event: I/O device interrupts to signal the completion of an I/O
of a different process

ightarrow Switch to user kernel mode to run interrupt
handler (context switch) (Q13, please check the correct one from
the above options). Q14, the current process is in ready state.
         → Switch back to run this process in were kernel
mode (context switch) Q15
      if (extra = 0) final = total;
      else final = (float) Bonus(total, extra);
        printf (" %.1f ", final);
        scanf ("%c", &ch); printf ("\n");
    fork ();
-- Event: system call
         → Kernel trap, switch to kernel mode to handle fork
(context switch)
Q16, OS creates the child process, put it in ready queue
}
```