Control Structure

Find out the output of the following Programs

SLNO	QUESTIONS	SLNO	QUESTIONS

1	<pre>main()
	 {
	   int k=6;
	  switch(k)
	  {
	     default: k+=2;
	     case 4: k=4;
	     case 5: k++;
	         break;
	     }
	    printf("%d",k);
	  }</pre>
		2	<pre>main()
			{
			  int a=2;
			  a--;
			  switch(a)
			  {
			     switch(a)
			     {
			        case 1:
			           printf("hello");
			           break;
			        case 2:
			           printf("hi");
			           break;
			        }
			     }
			  }</pre>

3	<pre>main()
	  {
	    char as[]="\\0\0";
	    int i=0;
	     do
	      {
	        switch(as[i++])
	         {
	          case '\\':
	          printf("a");
	              break;
	          case 0:
	             printf("b");
	             break;
	          default:
	          printf("c");
	         }
	          break;
	         }
	       while(as[i]!='\0');
	  }</pre>
		4	<pre>main()
			  {
			   int a=2,b=3;
			   do
			    {
			       a=a^b;
			       b=b^a;
			       a=a^b;
			     continue;
			    }
			    while(a==3);
			     printf("%d%d",a,b);
			    }</pre>

5	<pre>main()
	  {
	     int i,j;
	     for(i=1,j=5;i++,j--;)
	       {
	          if(i==j)</pre>
		6	<pre>main()
			  {
			     int i;
			    for(i=0;i<10;i++)
			     {
			        switch(i)</pre>

| | ```
        continue;
        printf("%d",i);
      }
    }
``` | | ```
  {
  case 0:i+=0;
  case 1:i+=1;
  case 2:i+=2;
  default:i+=3;
   break;
  }
 printf("%d",i);
 }
``` |
| 7 | ```
int main(int k)
   {
   if(k<5)
     printf("%d",main(k+1));
   return k;
   }
``` | 8 | ```
main()
 {
   for(putchar('g');putchar('o');putchar('d'))
    putchar('s');
}
``` |
| 9 | ```
main()
  {
 char as[]="\\0\0";
 int i=0;
 do
  {
   switch(as[i++])
    {
    case '\\':printf("a");
       break;
    case  0: printf("b");
      break;
    default: printf("c");
      break;
   }
}
while(i);
}
``` | 10 | ```
main()
 {
   char ch;
   for(ch=0;ch<128;ch+4)
    printf("%d",ch);
   }
``` |