task-05

#	Statement	Result
1	a.m((A) b);	A.A+
2	a.m((B) c);	A.B+
3	a.m(c);	A.C+
4	b.m(a);	B.A+
5	b.m((A) b);	B.A+
6	b.m((A) c);	B.A+
7	b.m((B) a);	runtime exception (see below)
8	b.m(c);	B.C+

Why does #7 cause the runtime to throw an exception?

While we can in theory cast to a derived type, the casted object in this specific example simply isn't of the type we're casting it to